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Cross reference:

- Latest monitoring results are published in the **SUPPLEMENT SERVICE** to this manual
- The decoding of meteorological bulletins like METAR, SHIP, SYNOP etc., the WMO GTS message format used by meteorological stations, as well as the NOTAM|SNOWTAM codes and the AFTN message format used by aeronautical fixed stations, are explained in our **AIR AND METEO CODE MANUAL**
- The FAX technique used by terrestrial stations and meteorological satellites is explained in our **GUIDE TO FACSIMILE STATIONS**
- This reference book includes many RTTY stations using Arabic, ATU-80 Arabic, Cyrillic and third-shift Cyrillic teleprinter alphabets, stations using F7B and VFT modulation, and stations using ARQ-E, ARQ-E3, ARQ-M, AUTOSPEC, FEC-A, SI-ARQ, SITOR and SWED-ARQ synchronous systems. Detailed information on these alphabets and techniques, amongst many others, is included in our **RADIOTELETYPE CODE MANUAL**
- Examples on various types of emissions are filed on the **MAGNETIC TAPE RECORDING OF MODULATION TYPES**
- Frequencies and call signs of utility stations formerly in use are listed in our **GUIDE TO FORMER UTILITY TRANSMISSIONS**

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Cover photograph: Kantor Stasiun Bumi Kecil (office of a small earth station) of PERUMTEL (Perusahaan Umum Telekomunikasi). This terminal is located near Kuala 03N35 98E20 on the main road (Jalan Raya) to Binjai in North Sumatra. The site has various microwave, shortwave and satellite antennas. Satellite telecommunication is ideal for a country such as Indonesia with a population of 185 million people spread over nearly 14000 islands reaching over more than 5000 km from Southeast Asia to Australia. Three PALAPA satellites are located in geostationary orbits high above Borneo: B1 on orbital position 108E00, B2 on 113E00 and B3 on 118E00. A typical uplink frequency is 6.065 GHz with a 36M0F8W emission, the corresponding downlink being on 4.140 GHz. This picture was taken during our 1989 monitoring mission in Indonesia and Singapore.

By courtesy of The Klingenfuss Archives F.CMJP

1 General

Since the mid-seventies, there has been an extensive shift in the role of shortwave communication for several radio services. It now provides mainly circuits in cases where other means of communication are not available or not economically feasible, e.g. for diplomatic, military, aeronautical and maritime mobile circuits. Digital techniques are bringing about important changes in the exploitation of these circuits, increasing reliability and efficiency, and greatly reducing the need for skilled operators.

An advanced generation of general coverage receivers such as the ICOM R9000, JRC NRD525 etc. is now available. Combined with sophisticated facsimile and teleprinter decoders such as the INFO-TECH M7000, WAVECOM W4010 etc., quasi-professional monitoring of utility stations is now accessible to everyone.

This revolutionary development has been supported by our famous lists and manuals since 1971. Being ourselves the top address for the world´s top radio monitors since then, the correspondence with our worldwide reading public ensures the manual in hand to continue to be the standard reference of both professional monitoring services and non-professional radio monitors. Its contents are built exclusively on continuous monitoring of the radio spectrum during 1989. The global coverage of our data bank is secured by regular overseas monitoring missions. After extremely successful operations in Madagascar and Reunion in 1985, in the Azores, Brunei, Malaysia and Sabah in 1986, in Guadeloupe, Martinique, Mauritius, Reunion, Rodrigues and Yemen Arab Republic in 1987, in Malaysia, Sarawak and Singapore in 1988, we now in 1989 spent more than three months at monitoring sites such as Bengkulu 03S24 102E16, Sumatra, Indonesia; Kismaayo 00S25 42E31, Somalia; and Portsmouth 15N34 61W27, Dominica. The results are included in this book, and similar activities from even more exotic sites are scheduled for 1990.

This book has been compiled with the help of a computer controlled data bank and word processor system with self-developed software interfaces - the only reasonable way to handle this amount of information. In addition, it guarantees the shortest time imaginable for the production of this reference book. Contrary to imitative publications, the time between filing the last entry into the data bank system and the mailing of the completed book takes only 10 (ten) days here.

Spurious signals have been proven to exist with at least three commercial receivers of full different circuitry.

In case of doubt, the spelling of place-names follows that used in the TIMES ATLAS OF THE WORLD (see the introduction to chapter 24), in the TIMES ATLAS OF THE OCEANS, and in the CENTRAL INTELLIGENCE AGENCY POLAR REGIONS ATLAS.

The mention of specific companies or products in articles or advertisements does not imply that they are endorsed or recommended by Klingenfuss Publications in preference to others of a similar nature which are not mentioned or advertised.

Although the more progressive national telecommunication authorities have now released the reception of meteorological etc. data for the purpose of technical investigation, readers are reminded that the divulgence of the contents of radio transmissions which are not intended for the general use of the public is a violation of international and most national telecommunication acts.

Sincerely,

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2 Monitoring utility stations

2.1 Introduction

The shortwave (SW) range covers 3 to 30 MHz and is allocated to various services. Considering the current situation decided basically at the World Administrative Radio Conference (WARC) 1979, the exclusive allocations to the amateur service cover about 2.80 MHz or 10.3 %, and to the broadcasting service about 3.13 MHz or 11.6 %. Consequently, more than 78 % of the entire SW spectrum remain for the utility services. Although many countries and stations violate against this internationally agreed distribution, by far the greatest part of the SW range is actually covered - and will continue to be covered - by utility stations. These belong to various services, such as the aeronautical, fixed, maritime, mobile, radionavigation, standard frequency service, etc. Several types of stations operate within these services, e. g. diplomatic, meteorological, military, police, point-to-point, press stations, and so on. They use various types of modulation, including radiotelephony (ISB, SSB), radiotelegraphy (Morse, CW), radioteletype (RTTY), facsimile (FAX), etc.

Many of these stations can be received and demodulated with suitable equipment. General coverage receivers with digital frequency readout and good high frequency (HF) characteristics greatly facilitate the monitoring of utility stations and are nowadays available for less than USD 700. Additional equipment such as microcomputers, CW and RTTY video display converters or FAX decoders permit quasi-professional reception of modulation types which we had never dreamed of.

Technically, everybody equipped with RTTY gear is nowadays able to print press agencies, telex services, weather messages, diplomatic traffic, etc. He only needs the suitable "software" from which he can learn about frequencies, call signs, codes, schedules, and so on. By means of a FAX decoder he could record weather forecast charts, or satellite pictures relayed on SW. If he is able to read CW signals, he can copy the maritime traffic between coastal and ship stations, or between military stations, etc. This type of listening, in course of time, will become far more fascinating than monitoring amateur or broadcast stations.

2.2 Legal restrictions

The reception of utility stations is not allowed by several national telecommunication administrations (NTAs). The reason is the attempt to protect information transmitted via radio against unwanted interception. Some people misunderstand such restrictions as an attack against their freedom of information - remember the recent hysteric rebellion among shortwave listeners in the United States of America against the Electronic Communications Privacy Act of 1986.

In order to do justice to this delicate subject, it must be reflected from the view of all parties involved and not only from your point of view, whoever you are or whatever you represent. There will always exist different opinions between telecommunication administrations, SW listeners, radio amateurs, and the unsuspecting telex subscriber or cellular phone user. The facts are:

- A lot of official publications and inofficial information about utility stations is freely available on the market, either directly from national and international authorities such as the Federal Communications Commission (FCC, in USA), International Telecommunication Union (ITU), World Meteorological Organization (WMO), etc., or from more or less qualified hobby authors.
- With receiving equipment readily available in most countries of the world, you could monitor transmissions from such stations which are not intended for the general use of the public.
- The monitoring of such transmissions could be illegal in your country.

Thus, in order to avoid problems, we advise you to keep the contents of such accidentally monitored transmissions strictly confidential and not, repeat NOT, to make any use of it whatsoever. Remember that you would expect the same from the unwanted interceptor of your personal phone call or business telex message ...

2.3 Official publications

A list of publications is available from the ITU; General Secretariat; Sales Service; Place des Nations; CH-1211 GENEVA 20; Switzerland. Items of general interest to radio monitors are

- Radio Regulations (RRs), price around CHF 131. Two ring binders contain the results of WARC 1979 plus several specialized conferences. The book in hand includes those RRs which are of importance to SW radio.
- International Frequency List (IFL). With 70000 pages published on microfiches, the installation of an IFL costs around DEM 4000. It contains data reported by NTAs to the International Frequency Registration Board (IFRB). Consequently, the quality of the IFL depends on the quality of the NTA data. Main drawbacks of this procedure are
  - NTAs report to the IFRB usually on an extremely irregular basis. This goes for virtually all countries of the world, from the most "underdeveloped" ones over the would-be "major" countries to the self-appointed "superpowers".
  - NTAs normally cannot report information about company, diplomatic, military or private stations. This is because they do not allocate these frequencies themselves, and they do not get any lists from e. g. the Ministry of Defense (MOD). Consequently, you will not find the frequencies of the drilling rigs in the North Sea or off Seria in Brunei, or those of the British High Commission at Port Louis in Mauritius, or those of the French Forces (FF) at N´djamena in Chad, in the IFL.
  - NTAs notoriously do not cancel information on circuits which are no longer in use - the typical example of an inefficient bureaucrazy. Tenthousands of entries have been filed in the twenties or thirties and have been out of service for decades. Drastic examples of a few of these historic oldies, taken from the September 1989 IFL edition 12.3, include: date of bringing into use of the frequency - 1925 (i.e. 65 years ago!): 20075.0 kHz Washington, USA, CW circuit to Balboa, ex-colony PNR; 1933: 14200.0 kHz (in a frequency band allocated exclusively to the amateur and amateur-satellite services) Vladivostok, URS, interior CW/SSB circuit; 1935: 6770.0 kHz Kootwijk, NLD, CW/RTTY circuit to Lisbon, POR; 1947: 10635.0 kHz French Navy (FN) at ex-Saigon, ex-colony VTN, CW/RTTY circuit to Paris, F; 1949: 15655.0 kHz Reparticao Provincial dos Servicos dos Correios, Telegrafos e Telefonos (CTT) at Dili, ex-colony TMP, CW circuit to ex-colony Goa, IND; 1955: 6920.0 kHz United States Air Force (USAF) at Wheelus Field, LBY, SSB circuit to Luqa, MLT; 1960: 19742.0 kHz United Nations Organization (UNO) at ex-Leopoldville, ex-colony ZAI, RTTY circuit to UNO Geneva, SUI (operating only during the war of independence, i.e. today 30 years ago!); 1971: 27963.5 kHz MOD Washington, USA, SSB circuit to United States Navy (USN) Cam Ranh Bay, ex-colony VTN.

  If you examine e. g. the frequency range between 20000 and 20500 kHz - quite interesting during the current sunspot maximum -, you will find that
  - IFL edition 12.3 lists 1124 entries;
  - less than 10 % of these entries were filed between 1980 and 1989 (not a single one by a "major" country ...) ending on 16 SEP 1988 (UAE on 20155.0 kHz);
  - more than 90 % have been filed before 1980, starting as early as 1925 (USA on 20075.0 kHz, see above).

  Considering all the idiocy in this written showdown above, you must have experience of at least one decade in order to detect whether an entry in the IFL is up-to-date, complete, correct and possible. Furthermore, the IFL gives the transmitter site and not the complete station name such as the book in hand. Thus, if you cannot interpret "West Wickham" (and who will tell you?), you will never know that entries under this location are INTERPOL London ...
- Alphabetical List of Call Signs of Stations other than Amateur Stations, Experimental Stations and Stations of the Maritime Mobile Service, price around CHF 114. This is a derivate of the IFL described above, giving the call sign, the transmitter site (again, not the name of the station), the class of station and the frequency. From the current edition, you could tear out pages 37 to 120 and 491 to 567 inclusive, i. e. more than one fifth of the complete book, as they list tenthousands of obsolete entries from Argentina ... plus those of many other countries, too.

- List of Coast Stations, price around CHF 72. This book is up-to-date, easy to use and helpful, as - contrary to the two publications mentioned above used only by narrow-minded telecommunication specialists such as ourselves - it is used daily around the world on every sea-going ship. You will find complete station schedules and a lot of other information.
- List of Radiodetermination and Special Service Stations, price around CHF 63. Contains schedules of coast and fixed stations transmitting meteorological and navigational bulletins, and a lot of other information. Quality and circulation are similar to that of the List of Coast Stations mentioned above.
- List of Ship Stations, price around CHF 73. Quality and circulation are similar to that of the List of Coast Stations mentioned above.

A list of publications is available from the WMO; Publications Sales Unit; B.P. 5; CH-1211 GENEVA 20; Switzerland. Items of interest to radio monitors are

- Weather Reporting, Volume C - Transmissions, price around CHF 152. Four ring-binders contain schedules of meteorological stations transmitting CW, FAX and RTTY bulletins. The data is reported by national meteorological services to the WMO. Consequently - similar to the IFL story described above - many outdated schedules are included. However, the publication is partly useful if you have an interest in meteorology.

Note that these official publications, like the book in hand, are kept up to date by means of a regular Supplement Service.

2.4 Inofficial information

National government departments often publish their own radio station and schedule lists for selected target groups such as mariners or meteorologists. Examples are the Royal Navy (RN) in the United Kingdom, the National Oceanic and Atmospheric Administration (NOAA) in the United States of America, the Deutsches Hydrographisches Institut (DHI) in the Federal Republic of Germoney, etc. The up-to-dateness and overall quality of such lists varies from totally outdated to useful.

Hobby publishers produce a wide range of selected frequency lists and related material. The quality of such publications depends on numerous factors. These are

- the technical skill of the contributing radio monitors. They must be fully familiar with the traffic procedures of the various radio services monitored. Consequently, they must be young enough to be able to keep abreast with the latest developments in radio technique, but nevertheless have sound experience of the work done at radio stations of the intercepted utility services. This can be obtained only through long periods of practical monitoring work;
- experience of these radio monitors in the identification of radio signals. This is one of the most difficult tasks, partly due to the infrequent transmission of identification signals and partly due to the use of abbreviated, tactical or unofficial call signs. In the case of complex telegraph systems there is difficulty both in the decoding and the identification of such signals;
- the monitoring work itself (provided that any methodical procedures have been established at all);
- the amount of time invested for monitoring;
- the quality of the equipment used;
- the availability of reference material such as those official publications mentioned above, plus the experience to interprete it;
- the question of what the author plagiarizes, because plagiarizing instead of monitoring continues to be the most common practice of producing imitative publications. One of the deplorable effects of this "method" is that stations which ceased operation many years ago continue to be listed in self-appointed "undisputable leader" publications (you name it - we´re tickled to death ...) and further concoctions of a similar "nature". The result is the unsuspecting reader being totally confused and scanning the bands in vain, searching for Agence France Presse (AFP) Fort de France and Manila and New York, Agencia Noticiosa Saporiti (ANS) and Agencia Efe (EFE) Buenos Aires, Agenzia Nazionale Stampa Associata (ANSA) and Associated Press (AP) and Deutsche Presse-Agentur (DPA) and Information Service of India (INFOIND) and Reuters and United Press International (UPI) New York, Indonesian National News Agency (ANTARA) Jakarta, AP and Reuters London, AP Montevideo, Agence Zairoise des Associations de Presse (AZAP) Bukavu and Lubum-

bashi, British Broadcasting Corporation (BBC) London feeder, Informaciones de Mexico (INFORMEX) Mexico City, Lanka Puwath (SLBC) Colombo, London Press Service (LPS), Rome Sport Press (RDS), Voice of America (VoA) Monrovia, Accra and Athens and Baghdad and Belgrade and Bergen and Brasilia and Budapest and Damascus and Helsinki and Maracay and Miami and New York and Norrköping and Paris and San´a and Tehran and Tel Aviv and Tripoli and Vienna Meteo and and and and, but ... all this was a long time ago! Compare yourself - and take a guess which publisher is plagiarized above all ...

Several SW listener clubs run a regular utility section in their magazines. For further information check "Clubs for DXers and International Listeners" in the WORLD RADIO TV HANDBOOK. Also check specialized listener and radio magazines for information about utility stations.

2.5 Radio services

For the definition of all radio services please refer to RRs 20 - 57 in chapter 19. The following description of the most important services found on SW does not include the amateur and broadcasting services.

2.5.1 Fixed service

In a frequency band allocated to the fixed service, e.g. 11400 - 11650 kHz, you will find many different types of stations. These include

- Aeronautical fixed stations. Example: Khartoum Air, SDN, call sign STK. They use CW, RTTY and SSB circuits to ensure communication from one airport to another. The major part of the Aeronautical Fixed Service (AFS) is organized as the Aeronautical Fixed Telecommunication Network (AFTN) and handles written messages. See chapters 7 to 14 in our AIR AND METEO CODE MANUAL for detailed explanations of the standardized AFTN message format and the various abbreviations, codes and message types used.
- Beacon stations. Example: Beacon Vladivostok, SE, URS, characteristic signal ´F´. They continuously transmit characteristic signals in CW and are presumably used for radiodetermination purposes.
- Broadcast feeder stations. Example: Radio Free Europe (RFE) Holzkirchen feeder, D. These transmissions feed relay stations abroad with either one program (SSB) or two programs (ISB).
- Diplomatic stations. Example: Ministry of Foreign Affairs (MFA) Belgrade, YUG, fictive call sign ´DFZG´. The MFAs normally transmit traffic to one selected embassy abroad, or collective broadcasts such as press reviews to all embassies e. g. in Africa. Few of these stations use CW or SSB while the majority handles written messages in RTTY. You will be able to read very little of the real amount of the diplomatic traffic present on SW because most radionets use either their own non-standard RTTY system which can be created very easily with modern microprocessor technique, or they use standard RTTY systems where delicate traffic is encrypted in e.g. five-letter groups, or even a combination of both.
- International Committee of the Red Cross (ICRC) stations. Example: ICRC Kampala, UGA, call sign 5XR 88. The ICRC net uses CW, RTTY and SSB, often on frequencies adjacent to the amateur radio bands so that amateur radio equipment can be used in case of a disaster when normal radiocommunication breaks down. The central station is located at Geneva, SUI.
- INTERPOL stations. Example: INTERPOL Rome, I, call sign IUV 81. The INTERPOL net uses CW on circuits in less developed countries, and RTTY with the simplex teleprinting over radio (SITOR) system (see chapter 7 in our RADIOTELETYPE CODE MANUAL), mostly encrypted.
- Meteorological stations. Example: Delhi Meteo, IND, call sign ATE 60. Meteo stations transmit either broadcasts intended for reception in a specified region of the world, or handle point-to-point circuits to selected recipients. Modulation types used are CW, FAX (see chapter 11 for FAX station schedules) and RTTY (see chapter 10 for RTTY station frequencies). Similar to the AFTN mentioned above, the WMO GTS (Global Telecommunication System) handles meteorological messages in a special message format. The meteorological bulletins themselves, i. e. reports, forecasts etc., are encoded in order to ensure rapid distribution and processing by computer systems, common codes being PILOT, SHIP, SYNOP, TEMP. In addition to

meteo stations, many aeronautical fixed stations (see above) transmit meteorological bulletins related to international aviation, e.g. code forms AIREP, METAR, TAF. The reception of meteo stations enables you to get the latest weather forecasts or satellite pictures up to several hours ahead of the television weather forecast or even one day ahead of their publication in a newspaper. See chapters 2 to 5 in our AIR AND METEO CODE MANUAL for detailed explanations of the standardized WMO GTS message format and the meteo code forms.

- Military stations. Example: French Forces (FF) Dzaoudzi, MYT, NATO routing indicator ´RFVITT´. These include air force, army, navy etc. stations. The traffic is in some cases "unclassified", i.e. not protected against unwanted interception, e.g. meteorological broadcasts in the form of FAX charts or RTTY bulletins for naval units. Messages are usually transmitted in a common format - see chapter 22.6 . However, most military traffic cannot be read, similar to that of diplomatic stations mentioned above.
- NTA stations. Example: Post, Telegraph and Telephone Administration Vatican City, CVA, call sign HVD. This is the classical case of point-to-point circuits in the fixed service. Until 1970 - 1971, most overseas telegraph and telephone traffic was transmitted via SW radio circuits which are now, in the satellite age, a dead ball. Modulation types used are CW, RTTY and SSB. See chapter 22 for the standard telegram format used worldwide.
- Police stations. Example: Bastia Prefecture, F, call sign FIT 20B. This term comprises all territorial gendarmerie, police, prefecture and security radionets. They transmit in CW, RTTY and SSB and normally use clear language instead of encryption. Worldwide operating INTERPOL is a special case, see above.
- Press agencies. Example: Hapdong News Agency (YONHAP) Soul, KOR, call sign 6MK 60. You can receive FAX pictures and RTTY bulletins. See chapters 8 and 9 for press agency schedules. The monitoring of these stations is a favourite among SW listeners because it enables you to get a lot of information which cannot be found elsewhere, i.e. you save one step in the manipulation process. However, during the last decade, most of the famous international news agencies have ceased their SW broadcasts, and the deplorable remainder consists of several quite interesting national news agencies from the so-called "Third World", and the usual stupid political propaganda stuff from "the East" and "the West". Note that according to the legal restrictions described above under 2.2, you are generally not authorized to make any use of press bulletins monitored, i. e. you must not produce your own newspaper now!
- United Nations Organization (UNO) stations. Example: UNO Environments Programme (UNEP) Nairobi, KEN, call sign 4UV. UNO stations use RTTY in clear language with an own message format. The central station is located at Geneva, SUI.

2.5.2 Aeronautical mobile service

Mainly SSB (upper sideband, USB) is used in the aeronautical mobile service, in some cases with a selective calling (SELCAL) system for direct access to a selected aircraft. There are two types of frequency bands allocated to the aeronautical mobile service.

The bands allocated to the route (R) service, e. g. 8815 - 8965 kHz, are intended for communications concerning flights along national or international civil air routes. Frequencies are spaced 3.0 kHz. See chapter 20 for the frequency allotment plan according to the various areas. These are shown on the maps at the end of this book. World-wide allotment areas used for long-distance communication between an aeronautical station and an aircraft are defined in chapter 25 under W I to W V.

The off-route (OR) bands, e. g. 8965 - 9040 kHz, are intended for communications, including those relating to flight coordination, concerning flights primarily outside national or international civil air routes, i.e. mainly military communications. No specific frequency spacing scheme is applied in the (OR) bands.

The station types to be found are

- Aeronautical stations. Example: Valparaiso Air, CHL, no call sign used. These stations handle traffic between airports and aircraft en route, and vice versa. Several stations broadcast meteorological information for aircraft in flight (VOLMET) on selected frequencies according to a fixed schedule. VOLMET is usually read down according to the METAR and TAF codes (decoding see chapter 3 in our AIR AND METEO CODE MANUAL) for main airports in the region concerned.

- Aircraft stations. Example: Singapore 31, SNG, call sign 9VSMN, in this case named after its flight number.

2.5.3 Maritime mobile service

The frequency bands allocated to the maritime mobile service, e. g. 12230 - 13200 kHz, are further divided into sub-bands for coast stations and ship stations according to the type of modulation employed - see the regulations in chapter 21. Most frequencies are paired, e. g. in RTTY the coast station transmits on 13098.5 kHz and the ship station on 12518.5 kHz, and the same in SSB on 13110.1 and 12339.9 kHz. The station types to be found are

- Coast stations. Example: Bridgetown Radio (R), BRB, call sign 8PO. These stations relay traffic between the terrestrial telecommunication network, e. g. the public telephone and telex service, and ship stations at sea, and vice versa. Modulation types used are CW, RTTY, and SSB (USB). In RTTY, the SITOR system is normally used with a standard shift of 170 Hz - see chapter 7.4 in our RADIOTELETYPE CODE MANUAL. Fully automatic SELCAL, operation and mailbox services are already available at totally computerized coast stations such as Portishead R, G. Several coast stations use certain frequencies exclusively for broadcasting meteorological and navigational information to ship stations, e.g. United States Navy (USN) Yokosuka, J, with FAX charts on 12777.0 kHz.
- Ship stations. Example: "Merchant Prelude", BAH, call sign C6BJ4.

2.5.4 Radiodetermination/location/navigation services

These services allow the determination of the position, velocity etc. of mobile stations such as an aircraft or a ship for navigational or other purposes. Typical stations in these services are

- Beacon stations. Example: Non-directional radio beacon (NDB) Cochabamba, BOL, characteristic signal ´CBB´, on 1648.5 kHz. This station continuously transmits dashes and its characteristic signal, enabling an aircraft to determine its bearing or direction in relation to the NDB.
- Direction-finder calibration stations. Example: Kiel Phare, D, characteristic signal ´KB´, on 2168.0 kHz. This station transmits dashes and its characteristic signal only upon request by a ship.
- Direction-finding stations. Example: Blavand Gonio, DNK, call sign OXB, on 1813.0 kHz. A ship calls on a separate calling frequency. After contact has been established, it transmits the signals necessary for taking bearings sometimes on another separate frequency. The gonio station transmits its bearings on the frequency mentioned.
- Navigation system stations. These stations transmit pulses according to a fixed time cycle which is different for every station in a radionet. The reception of at least two stations in combination with computer processing allows a mobile station to determine its position. Example 1: Long range navigation system (LORAN) Sheyang, CHN, no call sign used, on 1950.0 kHz. Example 2: OMEGA Le Port, REU, no call sign used, on 13.6 kHz.

Radiodetermination/location/navigation stations are not included in the frequency list (chapter 3) because the information transmitted is of interest to a mobile station only and not to a radio monitor. Furthermore, as described above, many stations transmit only upon request and not continuously. One exception: the single-letter beacon stations from URS are listed because they transmit continuously and may be used by radio monitors for radio propagation checks.

2.5.5 Standard frequency and time signal service

This service provides the transmission of specified frequencies, e. g. 10 MHz, and time signals, or both, of high precision for general reception. It meets the needs of time reference of a wide class of users in defence, educational, governmental and industrial establishments and of navigational and scientific purposes. The reference frequency is normally a cesium beam frequency standard. The Bureau International des Poids et des Mesures (BIPM) at Paris, F, maintains the International Atomic Time (IAT) and, consequently, the UTC time scale.

Time signals consist of one pulse per second with uniform length, with the first pulse in every minute being doubled, omitted, prolonged or shortened. The value of DUT1, i. e. the difference of the time scale UT1 based on the rotation of the Earth to the UTC, is indicated by a group of similarly marked second pulses. Several stations transmit a time code in Binary Coded Decimal (BCD) enabling a direct readout of the year, month, day, hour, minute, second and day of the week after computer processing.

An example of a standard frequency and time signal station is Taejon, KOR, call sign HLA, on 2.5 and 5 MHz.

2.6 Modulation types

Please refer to chapter 17 for the designation of emissions according to the RRs. These are not used in the frequency list (chapter 3) because we believe that e. g. the term COMB is more convenient than B9W. For the identification and description of 48 different emissions you may use our CASSETTE RECORDING OF MODULATION TYPES.

2.6.1 CW (emission designations: A1A, A2A, F1A)

Transmissions in the Morse code are still carried out in the fixed service mainly among national and regional military and police radionets. In the maritime mobile service (MMS) it continues to be the cheapest way of installing the necessary radiocommunications equipment on board a sea-going ship, because not every shipping company - think of those flags of convenience - can afford SITOR equipment. Among other radio services and station types, traditional CW is dying out.

2.6.2 FAX (emission designations: F1C, F2C, F3C, J2C, J3C, R3C)

With the availability of reliable and easy-to-use FAX converters at reasonable prices, this mode enjoys increasing popularity among mariners, yachtsmen, pilots, radio amateurs, monitors and meteorologists. For detailed information about this subject please refer to our GUIDE TO FACSIMILE STATIONS.

2.6.3 RTTY (emission designations: F1B, F7B)

Business telegrams, clear language maritime forecasts, crew lists, departure messages, drilling results from offshore oil riggs, encoded meteo bulletins, encrypted diplomatic traffic, flight plans, ICRC messages, INTERPOL search lists, maritime traffic lists, military orders, navigational warnings, press broadcasts, UNO situation reports, waybills for shipload - virtually anything is present today in written form and must be transmitted from one point to another. Consequently, RTTY is the mode of the future. We have been aware of this trend in time and have published our famous lists and manuals, with the emphasis on RTTY, already 20 years ago. For telex service codes and abbreviations please refer to chapter 23. Basic information on RTTY alphabets, codes and systems can be found in our RADIOTELETYPE CODE MANUAL.

2.6.4 SSB (emission designations: J3E, H3E, R3E)

SSB transmissions can be found mainly in the aeronautical mobile service (AMS), in the MMS, and in national and regional military and police nets. Contrary to the amateur service where a strange agreement prescribes LSB transmissions to be used on frequencies below 10 MHz and USB above this limit, SSB transmissions in the AMS and MMS frequency bands are made in the USB mode irrespective of any absurd regulations.

In the fixed service, the remainders of the NTAs´ overseas radiotelephone circuits on SW, e. g. DTRE Paris to its corresponding stations in French speaking African countries and vice versa, normally do not transmit pure SSB. A combination of telephony and telegraphy is transmitted with e. g. a voice channel on USB and a voice-frequency telegraphy (VFT) aggregate with several narrow shift RTTY channels on LSB (emission designation: B9W). If, in this example, the LSB VFT aggregate would be replaced by another voice channel, this is ordinary ISB which is used by several broadcast feeder stations in order to transmit two programs at the same time on the same frequency (emission designation: B8E).

Although every major country has developed its own spelling code, the use of the internationally agreed phonetic alphabet and figure code should be promoted. It is given in chapter 15 of this book.

2.7 Situation report

At long last, what can be monitored today and in the near future?

In the frequency bands allocated to the fixed service, virtually all overseas broadcast feeders, telephone and telex circuits and international news agencies have disappeared. What remains is a number of press services from the so-called "Third World" and a few propaganda agencies from the East and the West. Numerous meteo stations can be received, plus air stations mainly from Africa and Asia the traffic of which includes also meteo information. There is the ICRC, INTERPOL and the UNO, and a lot of national military and police radionets on frequencies between 2 and 7 MHz. Last but not least, virtually thousands of frequencies of diplomatic and military stations can be found which benefit from modern microprocessor technique.

This is the situation from the view of a monitoring site in Europe. As soon as you go overseas - and we do this quite regularly, see chapter 1 - it changes dramatically. We have monitored stations and frequencies which will never be received in Europe or America due to propagation conditions, and which have never been monitored, identified and published before. In Madagascar, we found hundreds of local and regional air, company, government and police radionets up to 7 MHz in CW. In Sabah and Sarawak, the Borneo Island states of Malaysia, we found thousands of mini-airline, mining, offshore oil drilling, plantation, shipping, timber, trading and transport company frequencies from all South and South East Asian countries between the Arabian Gulf, Australia and China up to 10 MHz in SSB. Needless to say such frequencies are not registered at the IFRB - see under 2.3 above ...

Regarding the frequency bands allocated to the AMS, they are vital all over the world except in Europe and North America where communications are on very high frequencies (VHF) and ultra high frequencies (UHF). With the current increase of air traffic - British Airways has ordered fourteen Boeing 747-436 to be delivered in 1990! - , the AMS bands will remain of great importance to international civil aviation. The recent WARC for the Mobile Services (MOB-87), held at Geneva between 14 September and 17 October 1987, has adopted provisions which will enable the evolution of public correspondence with aircraft (APC) in the AMS (R) bands.

In the bands allocated to the MMS, the decreasing importance of Morse telegraphy in favour of RTTY and SSB increases the overloading and resulting interference in the narrow-band direct-printing telegraphy (NBDPT) sub-bands. There are already a number of coast station SITOR frequencies in the CW sub-bands and even in the fixed bands - think of Göteborg R, Helsinki R, Lyngby R, Mobile R, Oostende R, Portishead R, Riga R, Warsaw R, etc. MOB-87 has decided on a total review of the MMS bands. The completely new frequency allotment plan will come into force on 0001 UTC 01 July 1991. Needless to say, it will be published in the next editions of our GUIDE TO UTILITY STATIONS. In detail, MOB-87 has made available an increased number of paired RTTY frequencies. The new NAVTEX frequency 4209.5 kHz has been assigned for use especially in the tropical and sub-tropical regions of the world due to high atmospheric noise levels on 518 kHz. The conference has also provided for a number of additional duplex SSB channels spaced 3.0 kHz (after that idiotic 3.1 kHz spacing currently in force). With increased computerization on board high seas ships, there is also a need for frequencies for data exchange, using digital transmission techniques, between shore and ship for ship´s position and movement data and correction data of radionavigation systems and electronic nautical charts.

2.8 Equipment

We could write another volume the size of the book in hand to tell you stories about our experience with radio monitoring equipment during the past decades. Furthermore, we could tell you what we use now and advise you to buy exactly the same configuration and you will be satisfied with it. Really? Apart from the fact that equipment manufacturers would certainly not like us to proceed in this way - because every manufacturer is convinced that just his gear is the best available - your needs will be at the least slightly different from ours. While one user of the book in hand sits in his "radio shack" and prints press agencies in RTTY, the other one travels around the world on his yacht and relies on us for the latest FAX schedules available in order to get his selected wave height prognosis chart. The third one is the chief of staff in the monitoring service of a major country who is overequipped with the most expensive gear available on the professional market, but as he does not know how to operate it the results are miserable ...

According to the situation report above, the most interesting transmissions are mainly in RTTY nowadays, with an increasing tendency towards sophisticated synchronous systems. Next comes CW and SSB, and finally FAX. Therefore, a modern allround monitoring station is composed of the following elements:

- Antenna. The quality of the antenna system is of immense importance for the signal strength. The ideal case is a rotable logarithmic-periodic antenna, which is thus used in many professional plants. At the opposite end of the quality scale is the active antenna of only 1 or 2 m length with an amplifier which will most probably produce its own spurious signals in the HF range. This can be only a patched-up solution, compared with e. g. a 10 or 20 m longwire antenna which should be installed as high as possible. The best semi-professional solution is an array of several dipole and/or longwire antennas, arranged in different directions and connected to an antenna switch for quick selection of the best one for the frequency monitored.
- Receiver. A general coverage receiver with a continuous frequency range from 150 kHz to 30 MHz is ideal, plus the frequency range from 0 to 150 kHz if you wish to receive that VLF/LF band. The set must have
  - frequency selection by both a rotating tuning knob and a numerical keyboard;
  - digital frequency readout to 0.1 kHz;
  - frequency memory with a capacity of at least 50 channels;
  - modes AM, CW, LSB and USB; FAX and RTTY are not necessary;
  - bandwidths of at least 0.5, 1, 2 and 4 kHz, independently switchable of the selected mode;
  - signal strength meter;
  - pass band tuning (PBT);
  - beat frequency oscillator (BFO) - not necessary with a good PBT system;
  - audio frequency (AF) and radio frequency (RF) gain controls;
  - automatic gain control (AGC) switchable off, fast and slow;
  - switchable noise blanker;
  - double or triple superheterodyne technique with the first intermediate frequency (IF) higher than 30 MHz;
  - excellent image and intermediate frequency rejection;
  - excellent selectivity, sensitivity and stability;
  - coaxial antenna input;
  - line or recording output for connecting FAX and RTTY converters; an IF output is superfluous;
  - speaker and headphones AF output;
  - power supply 120/240 V AC and 12 V DC;
  - good instruction manual with circuit diagrams.

  The following additional features are useful:
  - receiver incremental tuning (RIT);
  - frequency memory will also store bandwidth and mode;
  - notch filter;
  - switchable noise blanker will also fight "woodpecker" pulse noise;
  - switchable preamplifier to fight signal loss with narrow bandwidths such as 0.3 kHz;
  - antenna switch for selecting between at least two different antennas;
  - clock and timer functions;
  - tone control.
- RTTY video display converter (VDC). The set must have
  - several systems at various speeds:
    - International Telegraph Alphabet 2 (ITA2) at 45, 50, 75 and 100 Baud; bit inversion is not necessary;
    - ITA5 (ASCII) is not necessary as it is not used by utility stations on SW;
    - multiplex ARQ-M system according to CCIR 342-3 at 2-channels 96 and 200 Baud and 4-channels 192 Baud with automatic selection of an active data channel;
    - one-way traffic forward error correction FEC-A system at variable speeds between 96 and 200 Baud;
    - single-channel ARQ-E and ARQ-E3 systems at variable speeds between 48 and 192 Baud;

  - SITOR according to CCIR 476-4 (mode A = ARQ, mode B = FEC) with automatic mode selection at 100 Baud;
  - Packet Radio at 300 Baud;
- automatic speed measurement;
- fixed shifts at 170, 425 and 850 Hz; variable shift between 70 and 1000 Hz;
- automatic shift tuning;
- light-emitting diodes (LED) tuning display;
- normal/reverse switch;
- switchable unshift-on-space (USOS) function;
- switchable mark-only/space-only function;
- video display 24 lines x 72 characters;
- AF input from the receiver´s line or recording output;
- standard video monitor output;
- parallel (Centronics) printer output;
- mark and space output to a tuning oscilloscope.

The following additional features are useful:

- CW decoding at 30 to 200 characters per minute, although we recommend you to learn to read Morse code signals yourself because the VDC cannot copy disturbed or bad handkeyed signals;
- decoding of various additional synchronous RTTY systems;
- parameter memory with a capacity of at least 10 channels;
- programmable SELCAL memory with a capacity of at least 5 channels.

- RTTY tuning oscilloscope. This a must for tuning weak SITOR signals and for narrow shift signals, e. g. a single 70 or 85 Hz shift channel out of a multi-channel VFT aggregate. The cathode ray tube (CRT) should have a diameter of 3 cm or more.
- Video monitor. The CRT must have a diameter of at least 25 cm. All connecting cables must be double shielded in order to reduce HF interference going into the receiver.
- Printer. You can use any printer from the microcomputer market if its input connects to the printer output of the RTTY VDC.
- FAX converter. Modern sets connect directly to a microcomputer printer mentioned above. The set must have
  - scanning line frequencies 60, 90 and 120 rpm;
  - automatic and manual synchronization;
  - scanning line densities index of cooperation (IOC) 288 and 576;
  - automatic and manual IOC selection;
  - switchable scanning direction and polarity;
  - AF input from the receiver´s line or recording output;
  - parallel (Centronics) printer output.

  The following additional features are useful:
  - scanning line frequency 240 rpm;
  - switchable status line or time print.
- You may consider the additional installation of the following elements:
  - Headphones. The use of headphones reduces noise pollution in your environment and enables you to concentrate on barely audible signals.
  - Tape recorder enables you to reproduce a disturbed signal and modify it with e.g. an external notch and peak filter system for reducing or eliminating interference. You can record RTTY transmissions and FAX pictures as well.
  - Microcomputer system. With appropriate interfaces, this can be used for processing CW, FAX and RTTY signals; there is a wide range of commercial and free software available on the market. Modern receivers have interfaces which enable the control of the receiving frequency, bandwidth, mode etc., plus memory and scan functions, by a microcomputer. However, this is the very last item on our equipment list, because it is virtually impossible to operate a microcomputer system near a receiver. No matter what type of system you use and how much you spend on the shielding of cabinets and cables, there will always remain enough HF interference to drive you up the wall when you try to monitor that interesting weak station ...

3 Frequency list of utility stations

3.1 Introduction

Listed are

- frequency in kHz. In the case of RTTY stations, the frequency measured is always f0 for the F1B, R7B and B9W modulation types included in this list, and the exact single channel f0 frequency in the case of J9W - see chapter 4 in our RADIOTELETYPE CODE MANUAL;
- call sign (apostrophe indicates routing indicator, or call sign not in compliance with official ITU allocations);
- name of the station, and ITU country/geographical symbol;
- type(s) of modulation used, and - if applicable - the corresponding return frequency. In the case of FAX and RTTY stations, this column includes details of the traffic monitored, i. e. the type of information at the time heard (see below). All times are UTC.

Not listed are

- amateur stations;
- broadcasting stations;
- military stations using tactical call signs, or operating only during the term of an exercise, as well as "number" stations and similar never-identifiable nonsense;
- mobile stations, i.e. aircraft, ships, etc.

As the primary interest nowadays is for **radioteletype stations**, they are emphasized by **bold type**. - FAX stations are accentuated by a special enlarged type. - The Frequency Allocations Information for each band in the frequency list is underlined.

The standard RTTY transmission speed, modulation and code is 50 Baud F1BBN ITA2. Non-standard speeds like 75, 96 or 144 Baud, non-standard modulation types like F7B and VFT, and non-standard teleprinter systems like ARQ-E, ARQ-E3, ARQ-M, AUTOSPEC, DPA-ITA5, DUP-ARQ, FEC-A, GDR-ARQ, SI-ARQ, SITOR, SWED-ARQ and VWD-ITA5, are indicated at the beginning of column 4. In the case of ARQ-M2 and ARQ-M4 stations, "A", "B", "C" and "D" indicate the respective data channel. The three-letter group in brackets in column 4 is the channel indicator.

In this connection, it should be noted that there is still considerable confusion among radio monitors and would-be experts about the correct application of the terms AMTOR, ARQ, FDM, FEC, SITOR, TDM, TOR, VFT, etc. The reason is the ignorance of the situation in commercial telecommunication and professional monitoring. Logically, you cannot use terms like ARQ, FDM, FEC or TDM for one single RTTY system because they designate only generic error correction methods or multiplexing techniques which are used in many RTTY systems. The standard RTTY system names used throughout our publications have been decided in 1988 at a summit meeting here in Tübingen between the world´s top decoder manufacturer, representatives of major monitoring services, and ourselves. Consequently, competitive manufacturers and publishers are strongly advised to finally adopt these standards in order to bring to an end the catastrophic confusion of their customers by using e. g. several curious terms like "ARQ-28", "TDM2", "96-TDM", etc. for the very same ARQ-M2 system. For detailed explanations please refer to our RADIOTELETYPE CODE MANUAL.

Furthermore, VFT (and not "FDM") is the correct designation for a special multi-channel teleprinter modulation type, independent of the telegraph system used for the individual channels (which might be standard RTTY as defined above, or any FDM or TDM technique). As an example, take the D6B 375 emission around the assigned frequency of 17492.00 kHz. This complex system consists of an USB voice channel on 17487.35 kHz, three VFT teleprinter channels with 96 Baud ARQ-M2 and 100 Hz shift each on 17492.00, 17492.50 and 17493.00 kHz, a LSB voice channel on 17496.75 kHz, and a further LSB voice channel on 17499.50 kHz. Another example is the GYD emission around the assigned frequency of 12115.00 kHz, consisting of a LSB voice channel on 12115.00 kHz and a complex VFT aggregate combining several VFT teleprinter channels with different techniques: 192 Baud ARQ-M4 with 340 Hz shift each on 12115.68 and 12117.36 kHz, 75 Baud encrypted technique with 170 Hz shift each on 12116.16, 12116.64 and 12116.88 kHz, and 96 Baud ARQ-M2 with 170 Hz shift each on 12117.60 and 12117.84 kHz.

For FAX stations, the scanning line frequency (drum speed) and the scanning line density (longitudinal speed, index of cooperation) are given, e. g. FAX 120/576 means 120 rotations per minute and IOC 576. In this connection, "LSB" indicates a station transmitting negative pictures where black and white are interchanged, which must be received on LSB instead of the standard USB in order to achieve correct pictures. "ISD" indicates a station with inverted scanning direction, i.e. commencing in the right-hand top corner of the picture instead of the standard left-hand top corner, which results in a mirror image. "2-panel" indicates a station transmitting two pictures, each covering one half of the picture area, at the same time. - The Dollar character $ in column 4 indicates that the corresponding schedule is listed in chapter 11.

In the case of air stations, the three-letter group in brackets in column 4 is the AFTN Circuit Identification (see chapter 9.3 in our AIR AND METEO CODE MANUAL.)

In the AMS frequency bands, the allotment areas are listed in MWARA/RDARA/VOLMET area order. Example: "10057.0 AMS = CEP, 3A, VAFI" means "the Aeronautical Mobile Service frequency 10057.0 kHz is allocated to MWARA CEP, to RDARA 3A and to VOLMET area AFI." The meaning of these mnemonics is explained in the abbreviations list (chapter 25), and the geographical coverage of these areas is shown on the attached maps.

In the MMS frequency bands, scheduled RTTY coast station frequencies which are most probably in operation but have not been monitored during the last 12 months are also listed. They are printed in italics, and the word "scheduled" stands in column 4 instead of traffic details. These entries are not filed in the call sign list (chapter 6). - Ship stations´ CW working frequencies are not included because these series are grouped by countries in a rather complex procedure which is too comprehensive to be listed in all details.

If the location of a station had to be abbreviated in order to meet the format requirements, its full name may be looked up in the call sign list (chapter 6).

The frequency band information derives from the Table of Frequency Allocations decided at the World Administrative Radio Conference 1979. It considers the new bands made available to the amateur, broadcasting, and maritime services. In the current transfer phase, however, the following bands are still used by the fixed service, too (see RRs 531/532/537/543/544 in chapter 3.4): 9775 - 9900 kHz; 11650 - 11700 kHz; 11975 - 12050 kHz; 12230 - 12330 kHz; 13600 - 13800 kHz; 15450 - 15600 kHz; 16360 - 16460 kHz; 17360 - 17410 kHz; 17550 - 17700 kHz; 18068 - 18168 kHz; 21750 - 21850 kHz; 24890 - 24990 kHz; 25110 - 25210 kHz; and 26100 - 26175 kHz.

Example 1: "14564.0 5BC 68 CTA Nicosia, CYP SSB QSX 16442.0 kHz" means "Frequency 14564.0 kHz, call sign 5BC 68, station name Cyprus Telecommunications Authority Nicosia, country Cyprus, type of modulation single sideband, corresponding return frequency 16442.0 kHz"

Example 2: "5117.0 3MA 29 CNA Taipei, TAI FAX 60/288 LSB ISD: 0201-1126 C nx (text)" means "Frequency 5117.0 kHz, call sign 3MA 29, station name Central News Agency Inc. Taipei, country Taiwan, facsimile station, scanning line frequency 60 rotations per minute, scanning line density (index of cooperation) 288, the station transmits negative pictures where black and white are interchanged, inverted scanning direction, time 0201 - 1126 Coordinated Universal Time, traffic monitored Chinese news (text)"

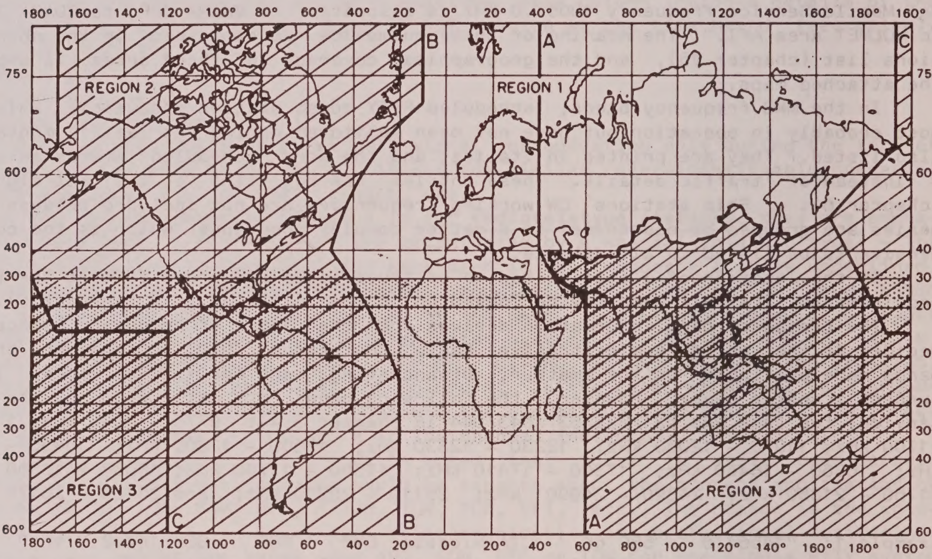
Example 3: "19144.0 ´RFTJ´ FF Dakar, SEN ARQ-M2 96 Bd: A: 1245 "controle de voie" (TJA)" means "Frequency 19144.0 kHz, NATO routing indicator RFTJ, station name French Forces Dakar, country Senegal, radioteletype station, multiplex ARQ system according to CCIR 342-3, speed 96 Baud, data channel A, time 1245 Coordinated Universal Time, traffic monitored "controle de voie", channel indicator TJA"

3.2 Frequency allocations

Note The Frequency Allocations Information is included in the frequency list of utility stations (3.3). It is underlined and can be found at the head of each frequency band. The figures attached in brackets are the numbers of the respective footnote (-s). These are listed in 3.4 .

Section I - Regions and Areas

RR 392 For the allocation of frequencies the world has been divided into three Regions as shown on the following map and described in RRs 393 to 399 (it should be noted that where the words "regions" or "regional" are without a capital "R" in these Regulations, they do not relate to the three Regions here defined for purposes of frequency allocation):



The shaded part represents the Tropical Zone as defined in RRs 406 to 410 and 411.

RR 393 Region 1 includes the area limited on the east by line A (lines A, B and C are defined below) and on the west by line B, excluding any of the territory of IRN which lies between these limits. It also includes that part of the territory of TUR and URS lying outside of these limits, the territory of MNG, and the area to the north of URS which lies between lines A and C.

RR 394 Region 2 includes the area limited on the east by line B and on the west by line C.

RR 395 Region 3 includes the area limited on the east by line C and on the west by line A, except the territories of MNG, TUR, URS and the area to the north of URS. It also includes that part of the territory of IRN lying outside of those limits.

RR 396 The lines A, B and C are defined as follows:

RR 397 Line A extends from the North Pole along meridian 40° East of Greenwich to parallel 40° North; thence by great circle arc to the intersection of meridian 60° East and the Tropic of Cancer; thence along the meridian 60° East to the South Pole.

RR 398 Line B extends from the North Pole along meridian 10° West of Greenwich to its intersection with parallel 72° North; thence by great circle arc to the intersection of meridian 50° West and parallel 40° North; thence by great circle arc to the intersection of meridian 20° West and parallel 10° South; thence along meridian 20° West to the South Pole.

RR 399 Line C extends from the North Pole by great circle arc to the intersection of parallel 65°30' North with the international boundary in Bering Strait; thence by great circle arc to the intersection of meridian 165° East of Greenwich and parallel 50° North; thence by great circle arc to the intersection of meridian 170° West and parallel 10° North; thence along parallel 10° North to its intersection with meridian 120° West; thence along meridian 120° West to the South pole.

RR 400 For the purposes of these Regulations, the term "African Broadcasting Area" means:

RR 401 a) African countries, parts of countries, territories and groups of territories situated between the parallels 40° South and 30° North;

RR 402 b) islands in the Indian Ocean west of meridian 60° East of Greenwich, situated between the parallel 40° South and the great circle arc joining the points 45° East, 11°30' North and 60° East, 15° North;

RR 403 c) islands in the Atlantic Ocean east of line B defined in RR 398, situated between the parallels 40° South and 30° North.

RR 404 The "European Broadcasting Area" is bounded on the west by the western boundary of Region 1, on the east by the meridian 40° East of Greenwich and on the south by the parallel 30° North so as to include the western part of URS, the northern part of ARS and that part of those countries bordering the Mediterranean within these limits. In addition, IRQ and JOR are included in the European Broadcasting Area.

RR 405 The "European Maritime Area" is bounded to the north by a line extending along parallel 72° North from its intersection with meridian 55° East of Greenwich to its intersection with meridian 5° West, then along meridian 5° West to its intersection with parallel 67° North, thence along parallel 67° North to its intersection with meridian 32° West; to the west by a line extending along meridian 32° West to its intersection with parallel 30° North; to the south by a line extending along parallel 30° North to its intersection with meridian 43° East; to the east by a line extending along meridian 43° East to its intersection with parallel 60° North, thence along parallel 60° North to its intersection with meridian 55° East and thence along meridian 55° East to its intersection with parallel 72° North.

RR 406 The "Tropical Zone" (see map in RR 392) is defined as:

RR 407 a) the whole of that area in Region 2 between the Tropics of Cancer and Capricorn;

RR 408 b) the whole of that area in Regions 1 and 3 contained between the parallels 30° North and 35° South with the addition of:

RR 409 1) the area contained between the meridians 40° East and 80° East of Greenwich and the parallels 30° North and 40° North;

RR 410 2) that part of LBY north of parallel 30° North.

RR 411 In Region 2, the Tropical Zone may be extended to parallel 33° North, subject to special agreements, between the countries concerned in that Region (see Article 7).

RR 412 A sub-Region is an area consisting of two or more countries in the same Region.

Section II - Categories of Services and Allocations

RR 413 Primary, Permitted and Secondary Services

RR 414 Where, in the Frequency Allocations Information, a band is indicated as allocated to more than one service, either on a worldwide or Regional basis, such services are listed in the following order:

RR 415 a) services the names of which are printed in "capitals" (example: FIXED); these are called "primary" services;

RR 416 b) services the names of which are printed in "capitals between oblique strokes" (example: /RADIOLOCATION/); these are called "permitted" services (see RR 419);

RR 417 c) services the names of which are printed in "normal characters" (example: Mobile); these are called "secondary" services (see RRs 420 to 423).

RR 418 Additional remarks shall be printed in normal characters (example: MOBILE except aeronautical mobile).

RR 419 Permitted and primary services have equal rights, except that, in the preparation of frequency plans, the primary service, as compared with the permitted service, shall have prior choice of frequencies.

RR 420 Stations of a secondary service:

RR 421 a) shall not cause harmful interference to stations of primary or permitted services to which frequencies are already assigned or to which frequencies may be assigned at a later date;

RR 422 b) cannot claim protection from harmful interference from stations of a primary or permitted service to which frequencies are already assigned or may be assigned at a later date;

RR 423 c) can claim protection, however, from harmful interference from stations of the same or other secondary service (-s) to which frequencies may be assigned at a later date.

RR 424 Where a band is indicated in a footnote as allocated to a service on a "secondary" basis in an area smaller than a Region, or in a particular country, this is a secondary service (see RRs 420 to 423).

RR 425 Where a band is indicated in a footnote as allocated to a service "on a primary basis", or "on a permitted basis" in an area smaller than a Region, or in a particular country, this is a primary service or a permitted service only in that area or country (see RR 419).

RR 426 **Additional Allocations**

RR 427 Where a band is indicated in a footnote as "also allocated" to a service in an area smaller than a Region, or in a particular country, this is an "additional" allocation, i. e. an allocation which is added in this area or in this country to the service or services which are indicated in the Frequency Allocations Information (see RR 428).

RR 428 If the footnote does not include any restriction on the service or services concerned apart from the restriction to operate only in a particular area or country, stations of this service or these services shall have equality of right to operate with stations of the other primary service or services indicated in the Frequency Allocations Information.

RR 429 If restrictions are imposed on an additional allocation in addition to the restriction to operate only in a particular area or country, this is indicated in the footnote.

RR 430 **Alternative Allocations**

RR 431 Where a band is indicated in a footnote as "allocated" to one or more services in an area smaller than a Region, or in a particular country, this is an "alternative" allocation, i.e. an allocation which replaces, in this area or in this country, the allocation indicated in the Frequency Allocations Information (see RR 423).

RR 432 If the footnote does not include any restriction on stations of the service or services concerned, apart from the restriction to operate only in a particular area or country, these stations of such a service or services shall have an equality of right to operate with stations of the primary service or services, indicated in the Frequency Allocations Information, to which the band is allocated in other areas or countries.

RR 433 If restrictions are imposed on stations of a service to which an alternative allocation is made, in addition to the restriction to operate only in a particular country or area, this is indicated in the footnote.

RR 434 **Miscellaneous Provisions**

RR 435 Where it is indicated in these Regulations that a service may operate in a specific frequency band subject to not causing harmful interference, this means also that this service cannot claim protection from harmful interference by other services to which the band is allocated under Chapter III of these Regulations.

RR 436 Except if otherwise specified in a footnote, the term "fixed service", where appearing in Section IV of this Article, does not include systems using ionospheric scatter propagation.

Section III - Description of the Frequency Allocations Information

RR 439	Within each of the categories specified in RRs 415 to 417, services are listed in alphabetical order according to the French language. The order of listing does not indicate relative priority within each category.
RR 440	In the case where there is a parenthetical addition to an allocation in the Frequency Allocations Information, that service allocation is restricted to the type of operation so indicated.
RR 443	In certain cases, the names of countries appearing in the footnotes have been abbreviated in order to shorten the text, using the ITU symbols designating countries or geographical areas (see chapter 25 of this reference book).

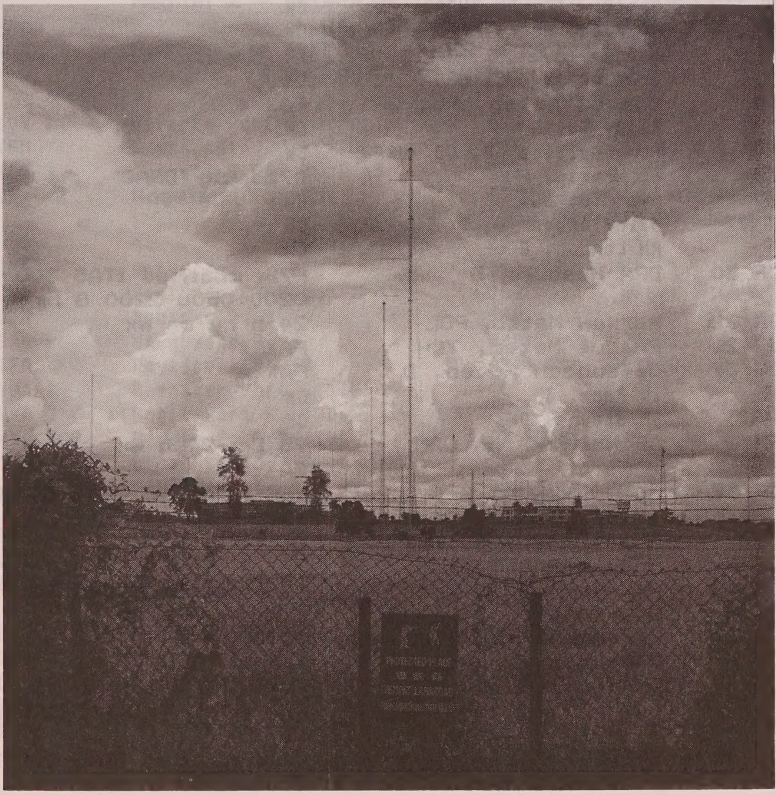


Figure 2: This is the Telecommunication Authority of Singapore (TAS) radio transmitting station at Jurong West. The satellite earth station is located on Sentosa Island (see page 256), fed by a microwave link from the top of the Comcentre (see page 251) in the heart of Singapore. The radio receiving station is located in Yio Chu Kang. The latter is the most effective NTA monitoring site in Asia, with the staff being trained directly by the respective equipment manufacturers in Munich, Federal Republic of Germany.

Staff members of overseas NTA monitoring stations are welcome to visit the various TAS installations throughout Singapore. Prior permit must be arranged (telex TELECOM RS333111, telefax ++65 7328428). When in Singapore take the MRT to station N2 Somerset. Use the exit marked COMCENTRE. This is the tall building on Exeter Road (see page 251). Get your security check and proceed to the RAR department in Room 4 on the 19th floor. They will arrange your visits with the engineers-in-charge at the respective sites.

below 9.0 not allocated < 444 445 >

9.0 - 148.5 VARIOUS SERVICES

15.1	FUB	FN Paris, F	0750 clg FAAZ, anns "hotel alfa 0800z", 0800 encrypted tfc
17.1	UMS	Moscow, RU, URS	CW
25.0	UNW 3	Kaliningrad TS, RU, URS	CW
	UPD 8	Murmansk TS, RU, URS	CW
	UTR 3	Gor'kiy TS, RU, URS	CW
38.0	SHR	SN Ruda, S	CW
50.0	OMA	Prague TS, TCH	CW
	RTZ	Irkutsk TS, SE, URS	CW
53.6	RTO	Moscow Meteo, RU, URS	FAX $
60.0	MSF	Rugby TS, G	CW
	WWVB	Fort Collins TS, CO, USA	CW
62.6	FUB	FN Paris, F	0753 clg 'BNAC'
75.0	HBG	Nyon TS, SUI	CW
77.5	DCF 77	Mainflingen TS, D	CW
82.8	GYB	RN London, G	CW
110.6	DCF 30	DPA Hamburg, D	F7B: modified ITA5 300 Bd: 0200+0500-2200 G nx
111.3	SOA 211	Warsaw Meteo, POL	24 h ry or wx
111.8	OLT 21	Prague Meteo, TCH	FAX $
117.4	DCF 37	Offenbach Meteo, D	FAX $
118.5	IDQ	IN Rome, I	CW
122.3	OUA 23	DM Stevns, DNK	CW
122.5	CFH	CF Halifax, NS, CAN	75 Bd: 24 h wx FAX $
123.7	DCF 42	PIAB Bonn, D	FEC-A 96 Bd: 0545-0745+1345-1445 G nx
124.0	CKN	CF Vancouver, BC, CAN	CW
124.6	OLT 3	Prague Meteo, TCH	FAX $
129.1	DCF 45	VWD Frankfurt, D	F7B: modified ITA5 300 Bd: 0500-1800 G nx
129.5	SOA 212	Warsaw Meteo, POL	24 h wx
134.2	DCF 54	Offenbach Meteo, D	FAX $
139.0	DCF 39	DPA Frankfurt, D	FAX 120/352 ISD: 0300-2300 AFP/AP/DPA/EPA/INDEX-FUNK/UPI pix
140.3	DCF 60	EPD/SID Frankfurt, D	F7B: modified ITA5 200 Bd: 0800-2200 G nx
144.5	RCG	Moscow Meteo, RU, URS	FAX $
146.0	Y5M	Rügen R, DDR	1916+2028 clg Y5AA
	Y7A 20	MFA Berlin, DDR	100 Bd: 0617-2129 ry or tfc GDR-ARQ: 1605 tfc
147.3	DDH 47	Hamburg Meteo, D	CW

1606.5 - 1625.0 Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/
< 480A 483 484 >
Region 2 = BROADCASTING < 480 480A 481 >
Region 3 = FIXED + MOBILE + RADIOLOCATION
+ RADIONAVIGATION < 482 >

1610.0	S3K	Hiran Point Pilot R, BGD	SSB
1617.0	S3K	Hiran Point Pilot R, BGD	SSB

1625.0 - 1635.0 **Region 1 = RADIOLOCATION** < 485 486 487 >
Region 2 = BROADCASTING + /FIXED/ + /MOBILE/
+ Radiolocation < 480 480A 481 >
Region 3 = FIXED + MOBILE + RADIOLOCATION
+ RADIONAVIGATION < 482 >

1630.0		Kaolack R, SEN	SSB	
		Ziguinchor R, SEN	SSB	

1635.0 - 1705.0 **Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/**
< 480A 483 484 488 >
Region 2 = BROADCASTING + /FIXED/ + /MOBILE/
+ Radiolocation < 480 480A 481 >
Region 3 = FIXED + MOBILE + RADIOLOCATION
+ RADIONAVIGATION < 482 >

1637.0	3VW 1	Bizerte Port R, TUN	SSB	
1640.0	TFM	Neskaupstadur R, ISL	SSB	QSX 2002.0 kHz
1643.0	IQA	Augusta R, I	SSB	
1646.0	**LGF 2**	**Rogaland R, NOR**	**SITOR-A: 0644-0848+1522-0239 tts; QSX 3147.0 kHz**	
			CW	
1649.5	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
1650.0	LZL	Bourgas R, BUL	SSB	
	SAH	Härnösand R, S	SSB	QSX 2216.0 kHz
	TFA	Reykjavik R, ISL	SSB	QSX 2002.0 kHz
	VWA 1	Ramnagar Port R, IND	CW	
	VWA 2	Hugli Port R, IND	CW	
	VWA 509	Haldia Port R, IND	CW	
	5VA	Lome R, TGO	SSB	
		SAPB Oran R, ALG	SSB	
		SAPB Skikda R, ALG	SSB	
1652.5	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
1656.0	ETC	Assab R, ETH	CW/SSB	
1662.5		St. P. Port R, Guernsey, G	SSB	
1663.0	ETC	Assab R, ETH	CW/SSB	
1663.5	CUB	Funchal R, MDR	SSB	
	CUG	Ponta Delgada R, AZR	SSB	
1667.0	ICB	Genova R, I	SSB	
1672.0	**GKR**	**Wick R, G**	**SITOR-A: 1522+1536+1543+2026-0747 tts; QSX 2496.8 kHz**	
			CW	
1672.4	3VS	Sfax R, TUN	SSB	
1673.0	FFU	Brest - Le Conquet R, F	SSB	
	TFT	Hornafjoerdur R, ISL	SSB	QSX 2023.0 kHz
1675.0	IQH	Napoli R, I	SSB	
1677.0	Y5M	Rügen R, DDR	SSB	
1678.0	EAC	Tarifa R, E	SSB	
1680.0	ICZ	Venezia R, I	SSB	QSX 2023.0 kHz
	SUK	Quseir R, EGY	SSB	
	SVN	Athens R, GRC	SSB	
	Y5M	Rügen R, DDR	SSB	
1687.0	FFO	Saint Nazaire R, F	SSB	
	OXZ	Lyngby R, DNK	SSB	QSX 2069.0 kHz
1687.4	3VB	Bizerte R, TUN	SSB	
1690.0	EAV	Cabo de la Nao R, E	SSB	
1691.5		Cillero R, E	SSB	
1694.0	FFB	Boulogne-sur-Mer R, F	SSB	
	LGA	Alesund R, NOR	SSB	QSX 2541.0 kHz

1694.0	LGP	Bodoe R, NOR	SSB	QSX 2541.0 kHz
	LGS	Svalbard R, Spitsbgn., NOR	SSB	QSX 2541.0 kHz
1696.0	SVK	Kerkyra R, GRC	SSB	
1696.4	3VM	Mahdia R, TUN	SSB	
1698.0	EAF	Finisterre R, E	SSB	
1700.0	ZSL 20	Lüderitz R, NMB	SSB	QSX 2013.0 kHz
	ZSV 24	Walvis Bay R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	
		Chipiona R, E	SSB	
1701.0	OXP	Skagen R, DNK	SSB	QSX 1988.0 kHz
1704.0		Machichaco R, E	SSB	

1705.0 - 1800.0

Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/
< 480A 483 484 488 >
Region 2 = AERONAUTICAL RADIONAVIGATION
+ FIXED + MOBILE + RADIOLOCATION
Region 3 = FIXED + MOBILE + RADIOLOCATION
+ RADIONAVIGATION < 482 >

1705.0	IPP	Palermo R, I	SSB	QSX 2023.0 kHz
	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
1706.0	GKR	Wick R, G	SSB	
	GLD	Land's End R, G	SSB	
1707.0	S3K	Hiran Point Pilot R, BGD	SSB	
		Sada R, E	SSB	
1708.0	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
	OXJ	Torshavn R, Faroe Is., DNK	SSB	QSX 2097.0 kHz
	4XT 2	Genosar R, ISR	SSB	
	4XT 3	Tiberias R, ISR	SSB	
	4XT 4	En-Gev R, ISR	SSB	
		Oostende Pilot R, BEL	SSB	
		Vlissingen Pilot R, BEL	SSB	
		Zeebrugge Pilot R, BEL	SSB	
1709.5	***OFA***	***Helsinki R, FNL***	***scheduled;***	***QSX 2485.5 kHz***
1710.0	ZSA 21	Cape Agulhas R, AFS	SSB	
	ZSE 21	East London R, AFS	SSB	
	ZSL 21	Lüderitz R, NMB	SSB	
	ZSM 21	Cape Columbine R, AFS	SSB	
1713.0	OXB	Blaavand R, DNK	SSB	QSX 2059.0 kHz
1715.0	IPC	Crotone R, I	SSB	
	TFV	Vestmannaeyjar R, ISL	SSB	QSX 2484.0 kHz
1716.0	Y5M	Rügen R, DDR	SSB	
1719.0	Y5M	Rügen R, DDR	SSB	QSX 2550.0 kHz
1720.0	EAT	Tenerife R, CNR	SSB	
1722.0	FFO	Saint Nazaire R, F	SSB	
	IDC	Cagliari R, I	SSB	QSX 2023.0 kHz
	LGA	Alesund R, NOR	SSB	QSX 2442.0 kHz
	LGI	Hammerfest R, NOR	SSB	QSX 2442.0 kHz
	LMJ	Jan Mayen R, NOR	SSB	QSX 2442.0 kHz
1726.0	HZH	Jeddah R, ARS	SSB	QSX 1965.6 kHz
		Saint Helier R, Jersey, G	SSB	QSX 2381.0 kHz
1729.0	LGQ	Rogaland R, NOR	SSB	QSX 2449.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 2449.0 kHz
1730.0		Arrecife R, E	SSB	QSX 2013.0 kHz
		Barcelona R, E	SSB	
1734.2	UGK 5	Kaliningrad R, RU, URS	SSB	
1735.0	7TO	Oran R, ALG	SSB	
1736.0	LGH	Harstad R, NOR	SSB	QSX 2456.0 kHz
	LGS	Svalbard R, Spitsbgn., NOR	SSB	QSX 2456.0 kHz

1736.0	LGT	Tjoeme R, NOR	SSB	QSX 2456.0 kHz
1737.0	ICP	Trapani R, I	SSB	QSX 2023.0 kHz
1740.0	EAB	Bagur R, E	SSB	
1742.0	SVH	Iraklion R, GRC	SSB	
1743.0	CND 3	Safi R, MRC	SSB	
	FFR	Le Havre Signal R, F	SSB	
	LFO	Oerlandet R, NOR	SSB	QSX 2463.0 kHz
	LGI	Hammerfest R, NOR	SSB	QSX 2463.0 kHz
	LGN	Bergen R, NOR	SSB	QSX 2463.0 kHz
	3VW/.	many Port R stations, TUN	SSB	
1745.0	6MA	Mosulpo F R, KOR	CW	
1748.0		La Coruna R, E	SSB	
1750.0	EAL	Las Palmas R, CNR	SSB	
	LGH	Harstad R, NOR	SSB	QSX 2470.0 kHz
	LGZ	Farsund R, NOR	SSB	QSX 2470.0 kHz
	LZW	Varna R, BUL	SSB	
	ZSA 21	Cape Agulhas R, AFS	SSB	QSX 2002.0 kHz
	ZSE 21	East London R, AFS	SSB	QSX 2002.0 kHz
	ZSL 22	Lüderitz R, NMB	SSB	
	ZSM 21	Cape Columbine R, AFS	SSB	QSX 2002.0 kHz
1750.5	STP	Port Sudan R, SDN	SSB	
1754.0		COPE Bermeo R, E	SSB	
1755.0	FJA	Papeete R, Tahiti, OCE	SSB	
1757.0	LGD	Oerlandet R, NOR	SSB	QSX 2576.0 kHz
	LGL	Floroe R, NOR	SSB	QSX 2576.0 kHz
	LJB	Bjoernoeya R, Bear I, NOR	SSB	QSX 2576.0 kHz
	SPO	Szczecin R, POL	SSB	
1757.5	EAS	Cabo Penas R, E	SSB	
1760.0	TAF	Samsun R, TUR	SSB	
	VUK 5	Bedi Port R, IND	SSB	
1764.0	PCG	Scheveningen R, NLD	SSB	QSX 2030.0 kHz
1765.0	ZSL 23	Lüderitz R, NMB	SSB	
	ZSV 4	Walvis Bay R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	QSX 2009.0 kHz
1768.4	3VT	Tunis R, TUN	SSB	
1771.0	FFB	Boulogne-sur-Mer R, F	SSB	
	IPB	Bari R, I	SSB	
	SDJ	Stockholm R, S	SSB	QSX 2477.0 kHz
	3VM	Mahdia R, TUN	SSB	
1778.0	OXJ	Torshavn R, Faroe Is., DNK	SSB	QSX 2069.0 kHz
	SDJ	Stockholm R, S	SSB	QSX 1974.0 kHz
1780.0	HZG	Dammam R, ARS	SSB	QSX 1956.6 kHz
1785.0	SAG	Goeteborg R, S	SSB	QSX 2037.0 kHz
1792.0	7TA	El Djaza'ir R, ALG	SSB	
		St. P. Port R, Guernsey, G	SSB	QSX 2381.0 kHz
1796.0	DAN	Norddeich R, D	SSB	QSX 2488.0 kHz
1799.0	DAN	Norddeich R, D	SSB	QSX 2491.0 kHz

1800.0 - 1810.0 Region 1 = RADIOLOCATION < 485 486 487 >
Region 2 = AMATEUR
Region 3 = AMATEUR + FIXED + MOBILE except aeronautical mobile + RADIONAVIGATION + Radiolocation
< 489 >

1800.0		Cedeira R, E	SSB	
		COPE Ayamonte R, E	SSB	
1803.0	LGI	Hammerfest R, NOR	SSB	QSX 2406.0 kHz
1806.0	FFU	Brest - Le Conquet R, F	SSB	
	IZN	Porto Torres R, I	SSB	QSX 2023.0 kHz

1810.0 - 1850.0

Region 1 = AMATEUR < 490 491 492 493 >
Region 2 = AMATEUR
Region 3 = AMATEUR + FIXED + MOBILE except aeronautical mobile + RADIONAVIGATION + Radiolocation
< 489 >

1810.0		Burela R, E	SSB	
		St. P. Port R, Guernsey, G	SSB	
1813.0	J2A	Jibuti R, DJI	SSB	
	OXB	Blaavand R, DNK	SSB	QSX 2076.0 kHz
	TYA	Cotonou R, BEN	SSB	
	3XC 4	Conakry R, GUI	SSB	
	3XO 6	Kamsar R, GUI	SSB	
	6VA	Dakar R, SEN	SSB	
1817.0	OSU	Oostende R, BEL	SSB	
1818.0	SPC	Gdynia R, POL	SSB	
1820.0	FFC	Arcachon R, F	SSB	
	OSU	Oostende R, BEL	SSB	
	SVX	Chios R, GRC	SSB	
1824.0	GNK	Norwick R, G	SSB	
	SVR	Rhodes R, GRC	SSB	
1825.0	HZG	Dammam R, ARS	SSB	QSX 2002.0 kHz
1827.0	EJK	Valentia R, IRL	SSB	
	GKR	Wick R, G	SSB	
1830.5	DHJ 59	GN Wilhelmshaven, D	CW	
1831.0	OSN 41	BN Oostende, BEL	CW	
1834.0	GNI	Niton R, G	SSB	
	TKM	Grasse R, F	SSB	
1835.0	9GA	Takoradi R, GHA	SSB	
1838.0	GCC	Cullercoats R, G	SSB	
1840.0		Santona R, E	SSB	
1841.0	EJM	Malin Head R, IRL	SSB	
	GLD	Land's End R, G	SSB	
1848.0	GNF	North Foreland R, G	SSB	
	ICP	Trapani R, I	SSB	QSX 2023.0 kHz
1849.0	SUK	Quseir R, EGY	SSB	

1850.0 - 2000.0

Region 1 = FIXED + MOBILE except aeronautical mobile
< 484 488 495 >
Region 2 = AMATEUR + FIXED + MOBILE except aeronautical mobile + RADIONAVIGATION + RADIOLOCATION
< 494 >
Region 3 = AMATEUR + FIXED + MOBILE except aeronautical mobile + RADIONAVIGATION + Radiolocation
< 489 >

1850.0	TAN	Izmir R, TUR	SSB	
	TAT	Canakkale R, TUR	SSB	
1852.0	OFH	Mariehamn R, FNL	SSB	QSX 2196.0 kHz
1855.0	IQP	San Benedetto del Tr. R, I	SSB	QSX 2023.0 kHz
1856.0	GHD	Gallan Head R, G	SSB	
	GND	Stonehaven R, G	SSB	
	HZH	Jeddah R, ARS	SSB	QSX 2037.0 kHz
1862.0	FFC	Arcachon R, F	SSB	
	PCG	Scheveningen R, NLD	SSB	QSX 2160.0 kHz
	TFX	Siglufjoerdur R, ISL	SSB	QSX 2506.0 kHz
	TFZ	Isafjoerdur R, ISL	SSB	QSX 2023.0 kHz
1866.0	GHD	Gallan Head R, G	SSB	
		Aguino R, E	SSB	
		Cabo de Gata R, E	SSB	
1869.0	GKZ	Humber R, G	SSB	

1873.0	4XD	Potash R, ISR	SSB	
1876.0	FFU	Brest - Le Conquet R, F	SSB	
	IQM	Lampedusa R, I	SSB	QSX 2023.0 kHz
	OFH	Mariehamn R, FNL	SSB	QSX 2009.0 kHz
	TFA	Reykjavik R, ISL	SSB	QSX 2506.0 kHz
1879.0	SVN	Athens R, GRC	SSB	
1880.0	DAO	Kiel R, D	SSB	QSX 2566.0 kHz
	6M./.	many Port R stations, KOR	SSB	
1881.0	5TA	Nouadhibou R, MTN	SSB	
1883.0	DAO	Kiel R, D	SSB	QSX 2569.0 kHz
	GPK	Portpatrick R, G	SSB	
	IQQ	Mazara del Vallo R, I	SSB	
	TFX	Siglufjoerdur R, ISL	SSB	QSX 2484.0 kHz
1888.0	IPD	Civitavecchia R, I	SSB	QSX 2023.0 kHz
1890.0	PCG	Scheveningen R, NLD	SSB	QSX 2513.0 kHz
	TFA	Reykjavik R, ISL	SSB	
	4XD	Potash R, ISR	SSB	
1901.0	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
1904.0	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
	SAG	Goeteborg R, S	SSB	QSX 2221.0 kHz
		Isla Cristina R, E	SSB	
1905.0	OSU	Oostende R, BEL	SSB	
	SAB	**Goeteborg R, S**	**SITOR-A: 1710-0748 tts**	
1906.0	FFM	Marseille R, F	SSB	
1908.0	DAN	Norddeich R, D	SSB	QSX 2538.0 kHz
	OSU	Oostende R, BEL	SSB	
1911.0	CND	Agadir R, MRC	SSB	
	CNW	Tanger R, MRC	SSB	
	DAN	Norddeich R, D	SSB	QSX 2541.0 kHz
	7TB	Annaba R, ALG	SSB	
1915.0	DAO	Kiel R, D	SSB	QSX 3158.0 kHz
1918.0	DAO	Kiel R, D	SSB	QSX 3161.0 kHz
	4XT	Tel Aviv R, ISR	SSB	
1919.5	**PCH 85**	**Scheveningen R, NLD**	**SITOR-A: 1550-0758 tts; QSX 1972.5 kHz**	
			CW	
1920.0	DSB	Pusan F R, KOR	CW	
	HLU	Taeha-dong R, U.d.I., KOR	CW	
1925.0	IPL	Livorno R, I	SSB	
1939.0	FFM	Marseille R, F	SSB	
	PCG	Scheveningen R, NLD	SSB	QSX 2160.0 kHz
1940.0	9GX	Tema R, GHA	SSB	
1946.0	GND	Stonehaven R, G	SSB	
1972.5		**ship stations**	**QSX 1919.5 kHz (PCH 85)**	
1980.0	9MP 6	Kelang R, MLA	SSB	QSX 2694.0 kHz
1997.5	CBV	DGTMMM Valparaiso R, CHL	SSB	

2000.0 - 2025.0 **Region 1 = FIXED + MOBILE except aeronautical mobile (R)**
< 484 495 >
Regions 2 + 3 = FIXED + MOBILE

2000.0	ODB 6	LN Beirut, LBN	CW	
2000.7		**ship stations**	**QSX 3615.7 kHz (GND)**	
2003.5	VWB	Bombay R, IND	SSB	
	VWC	Calcutta R, IND	SSB	
	VWT	Tuticorin R, IND	SSB	
2005.0	S3L	Chittagong Port R, BGD	SSB	
	S3P	Juldia Port R, BGD	SSB	
2009.0	HLU	Taeha-dong R, U.d.I., KOR	SSB	QSX 2312.0 kHz

2012.0	ZKJ	Penrhyn R, CKH	SSB	
	ZKO	Aitutaki R, CKH	SSB	
	ZMH ..	many Harbour R stns., NZL	SSB	
2015.0	DSB	Pusan F R, KOR	CW	
2019.0		Osaka Harbour R, J	SSB	
2020.0	VJC	RFDS Broken Hill, NSW, AUS	SSB	
	VJD	RFDS Alice Springs, NT, AUS	SSB	
	VJI	RFDS Mount Isa, QLD, AUS	SSB	
	VJJ	RFDS Charleville, QLD, AUS	SSB	
	VJN	RFDS Cairns, QLD, AUS	SSB	
	VNZ	RFDS Port Augusta, SA, AUS	SSB	

2025.0 – 2045.0 **Region 1 = FIXED + MOBILE except aeronautical mobile (R)**
+ Meteorological Aids < 484 495 496 >
Regions 2 + 3 = FIXED + MOBILE

2027.0	DSR 52	Geojin F R, KOR	SSB	
		Anhung F R, KOR	SSB	
2030.0	COB 7	Manzanillo F R, CUB	SSB	
2032.0	6MA	Mosulpo F R, KOR	SSB	
	6MN	Sokcho F R, KOR	SSB	
		Cheju F R, KOR	SSB	
2036.0	WCC	Chatham R, MA, USA	CW	
2037.5	KFS	San Francisco R, CA, USA	CW	
	VWK	Kandla R, IND	SSB	
	VWL	Mangalore R, IND	SSB	
	VWP	Port Blair R, IND	SSB	
2038.0	TXU	Saint-Pierre R, SPM	SSB	
2040.0	DSQ	Inchon F R, KOR	CW	
2040.5	CW. ..	many UN stations, URG	SSB	
2042.5	VWM	Madras R, IND	SSB	
	VWZ	Ratnagiri R, IND	SSB	
2043.0	HLN	Kunsan R, KOR	CW	
2044.0	HLY	Yosu R, KOR	SSB	QSX 2312.0 kHz

2045.0 – 2065.0 **Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/**
< 483 484 >
Regions 2 + 3 = FIXED + MOBILE

2045.0	KPH	San Francisco R, CA, USA	CW	
2046.0	*Region 1*	*ship-to-shore working freq.*	SSB	
	HKB	Barranquilla R, CLM	SSB	
	S3K	Hiran Point Pilot R, BGD	SSB	
2047.5	VWG	Goa R, IND	SSB	
2048.0	WNU	Slidell R, LA, USA	CW	
2049.0	*Region 1*	*ship-to-shore working freq.*	SSB	
	HKC	Buenaventura R, CLM	SSB	
	S3K	Hiran Point Pilot R, BGD	SSB	
		Zanzibar R, TZA	SSB	
2050.0	HLC	Inchon R, KOR	CW	
	HLK	Gangreung R, KOR	CW	
	HLP	Pusan R, KOR	CW	
2053.0	*Region 1*	*intership working frequency*	SSB	
	HKB	Barranquilla R, CLM	SSB	
2054.0	VA.	many CCG stations, CAN	SSB	
2055.5	WLO	Mobile R, AL, USA	CW	
2056.0	*Region 1*	*intership working frequency*	SSB	
	VI.	many R stations, AUS	SSB	QSX 2760.0 kHz
2057.0	OXI	Nuuk R, GRL	SSB	QSX 1638.0 kHz
2060.0	CGA 266	Prince Rupert R, BC, CAN	SSB	QSX 2798.0 kHz

2060.0	VPS	Victoria Island R, HKG	SSB	QSX 2547.0 kHz
2061.5	KFS	San Francisco R, CA, USA	CW	
2063.0	**FUB**	**FN Paris, F**	**0723+0743+0753 clg FAAE, anns "hotel alfa 0800z"**	
	KLB	Seattle R, WA, USA	CW	
	KLC	Galveston R, TX, USA	CW	

2065.0 - 2107.0 **Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/**
< 483 484 >
Regions 2 + 3 = MARITIME MOBILE **< 497 498 >**

2065.0	EQO	Nowshahr R, IRN	SSB	
	L..	many R stations, ARG	SSB	
2072.0	VTG 3	IN Bombay, IND	CW	
2075.0	OAJ 4	PIL Ilo R, PRU	SSB	
	S3K	Hiran Point Pilot R, BGD	SSB	
2079.0	LPW 6	Bahia Blanca R, ARG	SSB	
2080.0	A3A	Nuku'alofa R, TON	SSB	
	DZI	Bacoor R, PHL	CW	
	S3K	Hiran Point Pilot R, BGD	SSB	
2082.5	LPO 26	Puerto Deseado R, ARG	SSB	
2083.0	COB 4	Matanzas F R, CUB	SSB	
2085.0	VUJ 9	Bhavnagar Port R, IND	SSB	
	VWN	Cochin R, IND	SSB	
	VWO	Okha R, IND	SSB	
2086.0	LPL 6	General Pacheco R, ARG	SSB	
	OAF 4	PESROD Ilo R, PRU	SSB	
	PP.	many R stations, B	SSB	
	WCM	Withamsville R, OH, USA	SSB	
	WFN	Jeffersonville R, IN, USA	SSB	
	WGK	Saint Louis R, MO, USA	SSB	
2087.0	OSU	Oostende R, BEL	SSB	
2089.5	PP.	many R stations, B	SSB	
2090.0	OSU	Oostende R, BEL	SSB	
2090.9	LPZ 33	Trelew R, ARG	SSB	
2091.0	DS.	many F R stations, KOR	CW	
	HL.	many R stations, KOR	CW	
	J../5	many R stations, J	CW	
	6MA	Mosulpo F R, KOR	CW	
2093.0	EQN	Khomeini R, IRN	SSB	
	LPM 5	Mar del Plata R, ARG	SSB	
2094.0	C8R ..	many R stations, MOZ	SSB	
2096.5	PP.	many R stations, B	SSB	
2097.0	VWV	Vishakhapatnam R, IND	SSB	
	VWY	Porbandar R, IND	SSB	
2098.8	UBJ	Baku R, AZ, URS	SSB	QSX 2464.0 kHz
2099.0	UHZ	Kherson R, UK, URS	SSB	QSX 2525.0 kHz
2100.0	LPC 5	Ushuaia R, ARG	SSB	QSX 2100.0 kHz
2101.4	OCJ 2	CPV Callao R, PRU	SSB	
2103.0	VUJ 9	Bhavnagar Port R, IND	SSB	
2103.5	LPG 5	Rio Gallegos R, ARG	SSB	
2104.0	ZLC	Waitg. R, Chatham Is., NZL	SSB	
2104.9	OCJ 2	CPV Callao R, PRU	SSB	

2107.0 - 2160.0 **Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/**
< 483 484 >
Regions 2 + 3 = FIXED + MOBILE

2107.5	DSD	Yosu F R, KOR	CW	
2110.0	COB 60	Santa Cruz F R, CUB	SSB	

2111.0	3DP	Suva R, FJI	SSB	QSX 2162.0 kHz
2112.0	**'75 ORC'**	**SN Barcelona, E**	**75 Bd: 0418 ry, to '75 EGZ'**	
2115.0	DS.	many F R stations, KOR	SSB	
	TXU	Saint-Pierre R, SPM	SSB	
	6M.	many F R stations, KOR	SSB	
		many F R stations, KOR	SSB	
2116.0	OXI	Nuuk R, GRL	SSB	
2117.0	T3C	Takaronga R, T. Atoll, KIR	SSB	
2120.0	YVG	La Guayra R, VEN	SSB	
2122.0	COB 21	Nueva Gerona F R, CUB	SSB	
	NPM	USN Pearl Harbour, HWA	FAX $	
2125.0	CWT	Puerto Montevideo R, URG	SSB	
2129.0	OXF	Qaqortoq R, GRL	SSB	QSX 1638.0 kHz
2130.0	9WW 20	Kuching R, Sarawak, MLA	SSB	
2132.0		Ponta Delgada Pilot R, AZR	SSB	
2134.0	VAZ 3	Canso Lock R, NS, CAN	SSB	
2137.5	WLC	Rogers City R, MI, USA	SSB	
2140.0	S3D	Chittagong R, BGD	SSB	
	S3E	Khulna R, BGD	SSB	
2144.4		**ship stations**	**QSX 3607.8 kHz (GHD)**	
2146.0		Castries Lighthouse R, LCA	SSB	
		Vieux Fort Lighth. R, LCA	SSB	
2150.0	J../5	many R stations, J	SSB	
2153.0	ZLW	Wellington R, NZL	SSB	
		Port Gentil Port R, GAB	SSB	
2157.5	HLC	Inchon R, KOR	CW	
	HLN	Kunsan R, KOR	CW	

2160.0 - 2170.0 Region 1 = RADIOLOCATION < 485 486 487 499 >
Regions 2 + 3 = FIXED + MOBILE

2160.0	4XT 2	Genosar R, ISR	SSB
	4XT 3	Tiberias R, ISR	SSB
	4XT 4	En-Gev R, ISR	SSB
2162.0	ZBP	Adamstown R, PTC	SSB
	ZMH ..	many Harbour R stns., NZL	SSB
2166.0		TOC Pointe-a-Pierre R, TRD	SSB
2167.0	H4H 4	Honiara R, SLM	SSB
2168.0	YJM	Port-Vila R, VUT	SSB

2170.0 - 2173.5 MARITIME MOBILE

2170.5	*Region 1*	*coast stations calling freq.*	*SSB*

2173.5 - 2190.5 MOBILE (distress and calling) < 500 500A 500B 501 >

2174.5	***worldwide***	***NBDPT distr. and safety f.***	
2182.0	*worldwide*	*calling/distress/safety f.*	*SSB*
2187.5	***worldwide***	***DSC distress and safety f.***	

2190.5 - 2194.0 MARITIME MOBILE

2191.0	*Region 1*	*ship stations calling freq.*	*SSB*
	HLY	Yosu R, KOR	SSB
	YU.	many R stations, YUG	SSB
	9MG 20	Georgetown R, Pin. I., MLA	SSB
	9MK 5	Kuantan R, MLA	SSB
	9MP 5	Kelang R, MLA	SSB

2192.0	9PA	Banana R, ZAI	SSB	
2194.0 - 2300.0		**Region 1 = FIXED + MOBILE except aeronautical mobile (R)** **< 484 495 502 >** **Regions 2 + 3 = FIXED + MOBILE** **< 502 >**		
2195.5	WLC	Rogers City R, MI, USA	SSB	
2197.0	5AT	Tripoli R, LBY	SSB	
2197.5	FJP 2	Noumea R, NCL	SSB	
	'91 HGN'	**SN Cadiz, E**	**75 Bd: 2224 ry**	
2198.0	CLT 3	Nueva Gerona F R, CUB	SSB	QSX 2073.0 kHz
2200.0	9KK	Safat R, KWT	SSB	
2201.0	C2N	Makwa R, NRU	SSB	
	P2M	Port Moresby R, PNG	SSB	
	P2R	Rabaul R, PNG	SSB	
	VI.	many R stations, AUS	SSB	
2206.0	COB 35	Batabano F R, CUB	SSB	
	LBA 2	NN Stavanger, NOR	CW	
	OCJ 2	CPV Callao R, PRU	CW	
	5WA	Apia R, SMO	SSB	
2207.0	LBA 2	NN Stavanger, NOR	SSB	
	ZKN	Alofa R, NIU	SSB	
	ZKR	Avarua R, Rarotga. I., CKH	SSB	
	ZLD	Auckland R, NZL	SSB	
2210.0	OYR	Aasiat R, GRL	SSB	QSX 1638.0 kHz
	3VB	Bizerte R, TUN	SSB	
2211.0	IQQ	Mazara del Vallo R, I	SSB	QSX 2023.0 kHz
2216.5		Roseau Port R, DMA	SSB	
2221.0	YUS	Split R, YUG	SSB	
	YUX	Dubrovnik R, YUG	SSB	
	3VP	Sakhira R, TUN	SSB	
2225.0	OXI	Nuuk R, GRL	SSB	QSX 1638.0 kHz
	OXM	Ittoqqorttoormiit R, GRL	SSB	QSX 1665.0 kHz
2226.5	CW./..	many UN stations, URG	SSB	
2230.0	OAQ 4	PDH Paita R, PRU	SSB	
	YKI	SCOTC Tartus R, SYR	SSB	
2235.0	OAO 4	MINERVA Lima R, PRU	SSB	
2237.0	VAZ 3	Canso Lock R, NS, CAN	SSB	
2250.0	OZL	Ammassalik R, GRL	SSB	QSX 1638.0 kHz
2253.0	OSU	Oostende R, BEL	SSB	
2256.0	OSU	Oostende R, BEL	SSB	
2260.0	VJN	RFDS Cairns, QLD, AUS	SSB	
2264.0	ULL	Nikolay.-na-Am. R, FE, URS	SSB	
	UQC	Korsakov R, FE, URS	SSB	
2265.0	OXF	Qaqortoq R, GRL	SSB	QSX 1665.0 kHz
	OYR	Aasiat R, GRL	SSB	QSX 1638.0 kHz
2268.0		Samch'onp F R, KOR	SSB	
2270.0	XF.	many R stations, MEX	SSB	
2280.0	VJK	RFDS Meekatharra, WA, AUS	SSB	
	VJT	RFDS Carnarvon, WA, AUS	SSB	
	VKL	RFDS Port Hedland, WA, AUS	SSB	
2282.0	ZA.	many R stations, ALB	SSB	
2284.0	HLC	Inchon R, KOR	SSB	QSX 2312.0 kHz
2284.5		Roseau Port R, DMA	SSB	
2291.0	IDQ	IN Rome, I	CW	
2292.0		AMOCO Galeota R, TRD	SSB	
2293.9		**München, D**	**VFT: ARQ-E 72 Bd: 0300 msg (BRVHF)**	
2295.0	VTP 3	IN Vishakhapatnam, IND	CW	
2296.4	**DER**	**MOI Bonn, D**	**ARQ-E 72 Bd: 0600 opening msg to various LKAs**	

2300.0 - 2495.0		**Region 1 = BROADCASTING + FIXED + MOBILE except aeronautical mobile (R)** < 495 503 > **Regions 2 + 3 = BROADCASTING + FIXED + MOBILE** < 503 >		
2304.0	OYR	Aasiat R, GRL	SSB	
2306.0		Libreville Port R, GAB	SSB	
2309.0	WDU 23	Kodiak R, ALS	SSB	QSX 2131.0 kHz
2312.0	WDU 26	Cordova R, ALS	SSB	QSX 2134.0 kHz
	WGG 53	Cold Bay R, ALS	SSB	QSX 2134.0 kHz
2315.0	COB 20	La Coloma F R, CUB	SSB	
	COB 22	Arroyos de Mantua F R, CUB	SSB	
2320.0	TYA	Cotonou R, BEN	SSB	
	XF.	many R stations, MEX	SSB	
	5AT	Tripoli R, LBY	SSB	
2321.0		Cotonou Port R, BEN	SSB	
		Port Gentil Port R, GAB	SSB	
2325.0	**'78 IJU'**	**SN Madrid, E**	**75 Bd: 0522+0530 ry**	
2327.0		Castries Lighthouse R, LCA	SSB	
2332.5	HLP	Pusan R, KOR	CW	
2341.0	D4D	Praia R, Santiago, CPV	SSB	
2342.5	DHJ 51	Grengel Meteo, D	FAX $	
2352.5	ASK	Karachi R, PAK	SSB	
2357.0	HLM	Mokp'o R, KOR	SSB	QSX 2312.0 kHz
2357.5	OUA 32	DM Stevns, DNK	CW	
2370.0	A7S	GULPECO Doha R, QAT	SSB	
	A7S 31	Halul Island R, QAT	SSB	
2373.0	OSU	Oostende R, BEL	SSB	
2376.0	OSU	Oostende R, BEL	SSB	
2381.0		Castries Lighthouse R, LCA	SSB	
		Vieux Fort Lighth. R, LCA	SSB	
2385.7		**Düsseldorf, D**	**VFT: ARQ-E 96 Bd: 0542 final msg to Bonn "qsu/qsw -tag-schalten"", s. off (NWVHF)**	
2394.0	7TB	Annaba R, ALG	SSB	
2397.0	WDU 26	Cordova R, ALS	SSB	QSX 2237.0 kHz
	WGG 56	Ketchikan R, ALS	SSB	QSX 2237.0 kHz
2398.0		AMOCO Galeota R, TRD	SSB	
2400.0	OVC	DM Groennedal, GRL	SSB	
	OXI	Nuuk R, GRL	SSB	QSX 1638.0 kHz
	WDU 29	Sitka R, ALS	SSB	QSX 2134.0 kHz
	WGG 58	Juneau R, ALS	SSB	
	WKR	Nome R, ALS	SSB	QSX 2240.0 kHz
	ZA.	many R stations, ALB	SSB	QSX 2525.0 kHz
2405.0	6MC	Guryongpo F R, KOR	SSB	
2406.0	COB 5	Casilda F R, CUB	SSB	
	COB 41	Cienfuegos F R, CUB	SSB	
		TOC Pointe-a-Pierre R, TRD	SSB	
2410.0	TXU	Saint-Pierre R, SPM	SSB	
2416.0		Abidjan F R, CTI	SSB	
2418.0	5AT	Tripoli R, LBY	SSB	
		many Pilot R stations, FNL	SSB	
2419.0	CLM	Santiago de Cuba R, CUB	SSB	QSX 2107.0 kHz
	'78 IJU'	**SN Madrid, E**	**100 Bd: 2359-0458 ry or clg '75 RQA'**	
2422.5	LOK	AN Laurie Island, Orcadas, ANT	FAX 120/576: 0300+0315+1700+1715 analysis	
2423.0	ZLB	Awarua R, NZL	SSB	
2423.5	**SAB**	**Goeteborg R, S**	**SITOR-A: 24 h tts; QSX 3267.5 kHz** **SITOR-B: 1700 Swedish nx**	
2431.0	XF.	many R stations, MEX	SSB	
2433.0	HLP	Pusan R, KOR	SSB	QSX 2319.0 kHz

2436.0	**'RIFMCF'**	**IN Rome, I**	**75 Bd: 2338 clg 'I11C', 2345 ry**
2438.0	DSQ	Inchon F R, KOR	SSB
	6MA	Mosulpo F R, KOR	SSB
2439.0	D4A	Mindelo R, S. Vicente, CPV	SSB
	D4D	Praia R, Santiago, CPV	SSB
2442.0	WOM	Pennsuco R, FL, USA	SSB
2449.0	DSR 52	Geojin F R, KOR	SSB
	6MM	Masan F R, KOR	SSB
		Taeha-dong F R, U.d.I., KOR	SSB
2450.0	KMI	Dixon R, CA, USA	SSB QSX 2100.0 kHz
	KQP	Galveston R, TX, USA	SSB QSX 2366.0 kHz
	UFO	Kholmsk R, FE, URS	SSB
2457.5	AQP 2	PN Karachi, PAK	CW
2458.0	VAE	CCG Tofino, BC, CAN	SSB QSX 2340.0 kHz
	VAF	CCG Alert Bay, BC, CAN	SSB QSX 2340.0 kHz
	VAK	CCG Victoria, BC, CAN	SSB QSX 2340.0 kHz
2460.0	HLP	Pusan R, KOR	SSB QSX 2312.0 kHz
	UDH	**Riga R, LA, URS**	**SITOR-A: 1545-0749 R tts wtsca** CW
2464.0	UFF	Sukhumi R, GE, URS	SSB
2466.0	WFA	Tampa R, FL, USA	SSB QSX 2009.0 kHz
2470.0	XF.	many R stations, MEX	SSB
2474.0	**PBC 32**	**DN Goeree Island, NLD**	**75 Bd: 1553-0749 ry**
2480.0		Taharoa Harbour R, NZL	SSB
2481.0	OSU	Oostende R, BEL	SSB
	'F'	Beacon Vladivostok, SE, URS	CW
2484.0	OSU	Oostende R, BEL	SSB
2485.5		**ship stations**	**QSX 1709.5 kHz (OFA)**
2490.0	WOM	Pennsuco R, FL, USA	SSB
2494.7		**ship stations**	**QSX 2832.7 kHz (GNK)**

2495.0 - 2498.0 **Region 1 = BROADCASTING + FIXED + MOBILE except aeronautical mobile (R) < 495 503 >**
Regions 2 + 3 = STANDARD FREQUENCY AND TIME SIGNAL

2496.3		**ship stations**	**QSX 3607.3 kHz (GKZ)**
2496.8		**ship stations**	**QSX 1672.0 kHz (GKR)**
2497.3		**ship stations**	**QSX 3608.3 kHz (GCC)**
2497.8		**ship stations**	**QSX 2696.7 kHz (GLD)**

2498.0 - 2501.0 **STANDARD FREQUENCY AND TIME SIGNAL**

2500.0	FFH	Paris TS, F	CW
	HLA	Taejon TS, KOR	COMB
	JJY	Tokyo TS, J	COMB
	OMA	Prague TS, TCH	SSB
	RCH	Tashkent TS, UZ, URS	CW
	WWV	Fort Collins TS, CO, USA	COMB
	WWVH	Kihei TS, Maui Island, HWA	COMB
	ZUO	Pretoria TS, AFS	SSB

2501.0 - 2502.0 **STANDARD FREQUENCY AND TIME SIGNAL + Space Research**

2502.0 - 2505.0 **Region 1 = FIXED + Mobile except aeronautical mobile (R) < 484 495 504 >**
Regions 2 + 3 = STANDARD FREQUENCY AND TIME SIGNAL

2505.0 - 2625.0 **Region 1 = FIXED + MOBILE except aeronautical mobile (R)**
< 484 495 504 >
Regions 2 + 3 = FIXED + MOBILE

2506.0	EQI	Abbas R, IRN	SSB	
	EQK	Khoramshahr R, IRN	SSB	
	FJY 4	Martin de Vivies R, AMS	SSB	QSX 2620.0 kHz
	KGN	Delcambre R, LA, USA	SSB	QSX 2458.0 kHz
	KMI	Dixon R, CA, USA	SSB	
	WAH	Saint Thomas R, VIR	SSB	QSX 2009.0 kHz
		TOC Pointe-a-Pierre R, TRD	SSB	
2507.0	HLN	Kunsan R, KOR	SSB	QSX 2312.0 kHz
2507.5	EQZ	IORC Abadan R, IRN	CW/SSB	
2507.7	HPP 20	Panama R, PNR	SSB	
2511.0	5OZ 22	Port Harcourt R, NIG	SSB	
2512.5	JYO	Aqaba R, JOR	SSB	
2513.0	5AB	Benghazi R, LBY	SSB	
2514.0	V..	many CCG stations, CAN	SSB	QSX 2118.0 kHz
	WBL	Buffalo R, NY, USA	SSB	QSX 2118.0 kHz
	WLC	Rogers City R, MI, USA	SSB	QSX 2118.0 kHz
	WOM	Pennsuco R, FL, USA	SSB	
2517.0	6MD	Kunsan F R, KOR	SSB	
	6MJ	Bangeojin F R, KOR	SSB	
2521.1	DSD	Yosu F R, KOR	SSB	
	DSQ	Inchon F R, KOR	SSB	
	DSV	Fupo F R, KOR	SSB	
	6MA	Mosulpo F R, KOR	SSB	
	6MN	Sokcho F R, KOR	SSB	
		Donghae F R, KOR	SSB	
		Samch'onp F R, KOR	SSB	
		Taeha-dong F R, U.d.I., KOR	SSB	
2522.0	CLK 2	Santa Cruz del Sur R, CUB	SSB	
	C6N 2	Nassau R, BAH	SSB	QSX 2126.0 kHz
2525.0	UWT	Taganrog R, UK, URS	SSB	
2527.0		Castries Lighthouse R, LCA	SSB	
		Vieux Ft. Lighthouse R, LCA	SSB	
2530.0	DSD	Yosu F R, KOR	SSB	
	DSR 52	Geojin F R, KOR	SSB	
	KQP	Galveston R, TX, USA	SSB	QSX 2134.0 kHz
	VCA	CCG Charlottetown, PEI, CAN	SSB	QSX 2815.0 kHz
	VCO	CCG Sydney, NS, CAN	SSB	QSX 2815.0 kHz
	WCT	Loiza R, PTR	SSB	QSX 2134.0 kHz
	6MB	Jumunjin F R, KOR	SSB	
2535.0		**ship stations**	**QSX 2795.0 kHz (UAH)**	
2537.0	DSC	Mokp'o F R, KOR	SSB	
	DSV	Fupo F R, KOR	SSB	
2537.9	LGQ	Rogaland R, NOR	SSB	QSX 1690.9 kHz
2538.0	CFW	Vancouver R, BC, CAN	SSB	QSX 2015.0 kHz
	KCC	Corpus Christi R, TX, USA	SSB	QSX 2142.0 kHz
	V..	many CCG stations, CAN	SSB	
		ship stations	**QSX 2727.0 kHz (DAN)**	
2542.0	XF.	many R stations, MEX	SSB	
2545.0	FFP	Fort de France R, MRT	SSB	
2547.0	VRT	Hamilton R, BER	SSB	
2550.0	DSR 52	Geojin F R, KOR	SSB	
	PJC	Willemstad R, Curacao, ATN	SSB	QSX 2158.0 kHz
	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW	
	VRT	Hamilton R, BER	SSB	
	WBL	Buffalo R, NY, USA	SSB	QSX 2158.0 kHz
	WFA	Tampa R, FL, USA	SSB	QSX 2158.0 kHz
	WLC	Rogers City R, MI, USA	SSB	QSX 2158.0 kHz
	6MK	Chungmu F R, KOR	SSB	

2555.0	8RB	Demerara R, GUY	SSB	
2558.0	CFW	Vancouver R, BC, CAN	SSB	QSX 2142.0 kHz
	C6N 2	Nassau R, BAH	SSB	QSX 2198.0 kHz
	VFA	CCG Inuvik, NWT, CAN	SSB	QSX 2142.0 kHz
	VFC	CCG Cambridge B., NWT, CAN	SSB	QSX 2142.0 kHz
	8RB	Demerara R, GUY	SSB	
		TOC Pointe-a-Pierre R, TRD	SSB	
2560.0	DSD	Yosu F R, KOR	CW	
	HLY	Yosu R, KOR	CW	
	UCV 2	Okhotsk R, FE, URS	CW	
	XF.	many R stations, MEX	SSB	
2566.0	WOM	Pennsuco R, FL, USA	SSB	
2572.0	WLO	Mobile R, AL, USA	SSB	QSX 2430.0 kHz
2574.0	YUR	Rijeka R, YUG	SSB	
2575.0	C9L 2	Maputo R, MOZ	SSB	
2576.0	SUH	Alexandria R, EGY	SSB	
2579.0	IPB	Bari R, I	SSB	QSX 2023.0 kHz
	5RO	Mahajanga R, MDG	SSB	
	5RT	Toliara R, MDG	SSB	
		Manakara Sud R, MDG	SSB	
2580.0	UJY	Kaliningrad R, RU, URS	SSB	
		Lequeitio R, E	SSB	
2581.0	CUL	Lisbon R, POR	SSB	
2581.6	HAR 6	Budapest R, HNG	SSB	
2582.0	CLT	Habana R, CUB	SSB	
	C6X 2	Marsh Harbour R, BAH	SSB	QSX 2166.0 kHz
	TXU	Saint-Pierre R, SPM	SSB	
	V..	many CCG stations, CAN	SSB	QSX 2206.0 kHz
	WBL	Buffalo R, NY, USA	SSB	QSX 2206.0 kHz
	WLC	Rogers City R, MI, USA	SSB	QSX 2206.0 kHz
	ZBM	St. George's Harb. R, BER	SSB	
	8PO	Bridgetown R, BRB	SSB	
		Castries Lighthouse R, LCA	SSB	
		English Harbour R, ATG	SSB	QSX 2750.0 kHz
		Vieux Fort Lighth. R, LCA	SSB	
2583.0	DS.	many F R stations, KOR	CW	
	HL.	many R stations, KOR	CW	
	OMC	Bratislava R, TCH	SSB	
	OMK	Komarno R, TCH	SSB	
	6MA	Mosulpo F R, KOR	CW	
2585.0	UCD 9	Yalta R, UK, URS	SSB	QSX 2100.0 kHz
	WAH	Saint Thomas R, VIR	SSB	
	YUR	Rijeka R, YUG	SSB	
2586.0	CNP	Casablanca R, MRC	SSB	
	J2A	Jibuti R, DJI	SSB	
	OYE	Roenne R, DNK	SSB	QSX 1995.0 kHz
	TRA	Libreville R, GAB	SSB	
	TUA	Abidjan R, CTI	SSB	
	TYA	Cotonou R, BEN	SSB	
	3XC 5	Conakry R, GUI	SSB	
	3XO 5	Kamsar R, GUI	SSB	
	5VA	Lome R, TGO	SSB	
	6VA	Dakar R, SEN	SSB	
	7TO	Oran R, ALG	SSB	
		Arrecife R, E	SSB	QSX 3231.0 kHz
		Kaolack R, SEN	SSB	
		Machichaco R, E	SSB	QSX 3283.0 kHz
2587.0	6YI	Kingston R, JMC	SSB	
2590.0	CGA 266	Prince Rupert R, BC, CAN	SSB	QSX 2166.0 kHz
	DSQ	Inchon F R, KOR	CW	
	EJK	Valentia R, IRL	SSB	
	HLC	Inchon R, KOR	CW	

2590.0	RTEU	Aleksandrov-S. R, FE, URS	CW	
	SVN	Athens R, GRC	SSB	
	6YI	Kingston R, JMC	SSB	
2591.0	IPL	Livorno R, I	SSB	
2593.0	CND	Agadir R, MRC	SSB	
	EJM	Malin Head R, IRL	SSB	
	OXB	Blaavand R, DNK	SSB	QSX 3245.0 kHz
	ZSA 26	Cape Agulhas R, AFS	SSB	QSX 2016.0 kHz
	ZSE 26	East London R, AFS	SSB	QSX 2016.0 kHz
	ZSL 25	Lüderitz R, NMB	SSB	
	ZSM 26	Cape Columbine R, AFS	SSB	QSX 2016.0 kHz
	ZSN	Capetown R, AFS	SSB	
	ZSV 26	Walvis Bay R, NMB	SSB	
2595.0	DSB	Pusan F R, KOR	SSB	
	S7Q	Victoria R, Mahe, SEY	SSB	
	UGE	Arkhangelsk R, RU, URS	SSB	QSX 2100.0 kHz
	UOY	Nar'yan Mar R, RU, URS	SSB	
	5ZF	Mombasa R, KEN	SSB	
	7OA	Aden R, YMS	SSB	
2596.0		La Coruna R, E	SSB	QSX 3290.0 kHz
2598.0	V..	many CCG stations, CAN	SSB	
2600.0	FFD	Saint Denis R, REU	SSB	
	IQQ	Mazara del Vallo R, I	SSB	QSX 2023.0 kHz
	PCG	Scheveningen R, NLD	SSB	QSX 1995.0 kHz
	TFX	Siglufjoerdur R, ISL	SSB	
	XFA	Acapulco R, MEX	SSB	QSX 2622.0 kHz
	XSV	Tianjin R, CHN	SSB	
		Donghae F R, KOR	SSB	
2601.0	A7D	Doha R, QAT	SSB	
	C8R ..	many R stations, MOZ	SSB	
	C9C 8	MN Maputo, MOZ	SSB	
	C9C 9	MN Nacala, MOZ	SSB	
	C9C 20	MN Pemba, MOZ	SSB	
	D3E	Luanda R, AGL	SSB	QSX 2464.0 kHz
	D4A	Mindelo R, S. Vicente, CPV	SSB	
	ZLW	Wellington R, NZL	SSB	QSX 2474.0 kHz
2604.0	A4M	Muscat R, OMA	SSB	
	GKR	Wick R, G	SSB	
2605.0	UIK	Vladivostok R, SE, URS	SSB	QSX 2720.0 kHz
2606.0	EAT	Tenerife R, CNR	SSB	QSX 3283.0 kHz
2607.0	A4M	Muscat R, OMA	SSB	
	A9M	Hamala R, BHR	SSB	
	FUO	FN Toulon, F	CW	
	GPK	Portpatrick R, G	SSB	
	SVK	Kerkyra R, GRC	SSB	
	ZSL 26	Lüderitz R, NMB	SSB	
	ZSV 6	Walvis Bay R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	QSX 2023.0 kHz
2610.0	EAC	Tarifa R, E	SSB	QSX 3290.0 kHz
	XSG	Shanghai R, CHN	SSB	
2611.0	DAN	Norddeich R, D	SSB	QSX 2020.0 kHz
2612.5	JYO	Aqaba R, JOR	SSB	
2614.0	DAN	Norddeich R, D	SSB	QSX 2023.0 kHz
	EJK	Valentia R, IRL	SSB	
2615.0	XSF 2	Wuhan R, CHN	CW	
	YU.	many R stations, YUG	SSB	
2616.0	KUP 65	Majuro R, MRL	SSB	
	KUP 6.	many R stations, CAR	SSB	
2618.5	GFE 25	Bracknell Meteo, G	FAX $	
2620.0	FJA	Papeete R, Tahiti, OCE	SSB	
	XSQ	Guangzhou R, CHN	SSB	
	9MK 7	Kuantan R, MLA	SSB	QSX 2830.0 kHz

2621.0	SAC	Trelleborg R, S	SSB	QSX 3185.0 kHz
2622.5	**DHJ 51**	**Grengel Meteo, D**	**0600+1721 wx**	
2624.0	IQX	Trieste R, I	SSB	
	SVR	Rhodes R, GRC	SSB	

2625.0 - 2650.0 Region 1 = MARITIME MOBILE + MARITIME RADIONAVIGATION
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Regions 2 + 3 = FIXED + MOBILE

2625.0	GKR	Wick R, G	SSB	
	URD	Leningrad R, RU, URS	SSB	
	9HD	Valetta R, MLT	SSB	
2627.0	XSU	Yantai R, CHN	SSB	
	Y5M	Rügen R, DDR	SSB	
2628.0	AXM 31	Canberra Met., ACT, AUS	FAX $	
	FFM	Marseille R, F	SSB	
	GNI	Niton R, G	SSB	
	IQA	Augusta R, I	SSB	QSX 2023.0 kHz
	TFV	Vestmannaeyjar R, ISL	SSB	QSX 2525.0 kHz
2629.0	HSP 3	Phuket R, THA	SSB	
	TAI	Iskenderun R, TUR	SSB	
2630.0	Y5M	Rügen R, DDR	SSB	
	5OZ 22	Port Harcourt R, NIG	SSB	
2632.0		San Fernando R, E	SSB	
2635.0	*Regions 2 + 3 intership working freq.*		*SSB*	
	CND 3	Safi R, MRC	SSB	
	CNW	Tanger R, MRC	SSB	
	HPQ 21	Panama Port R, PNR	SSB	
	IQH	Napoli R, I	SSB	QSX 2023.0 kHz
	LFO	Oerlandet R, NOR	SSB	QSX 2118.0 kHz
	LGH	Harstad R, NOR	SSB	QSX 2118.0 kHz
	LGZ	Farsund R, NOR	SSB	QSX 2118.0 kHz
		Salalah Port R, OMA	SSB	QSX 2023.5 kHz
2638.0	*Regions 2 + 3 intership working freq.*		*SSB*	
	CW. ..	many UN stations, URG	SSB	
	DZK 3	Manila R, PHL	SSB	
	HIA	Sto. Domingo Pilot R, DOM	SSB	
	KUQ	Pago Pago R, SMA	SSB	
	LZL	Bourgas R, BUL	SSB	
	L3V	Rio de la Plata R, ARG	SSB	
	OBB 4	Ilo R, PRU	SSB	
	OBF 4	Mollendo R, PRU	SSB	
	OBZ 3	Chimbote R, PRU	SSB	
	VAZ 3	Canso Lock R, NS, CAN	SSB	
		Castries Lighthouse R, LCA	SSB	
		TOC Pointe-a-Pierre R, TRD	SSB	
		Vieux Fort Lighth. R, LCA	SSB	
		Zanzibar R, TZA	SSB	
2638.9	LGZ	Farsund R, NOR	SSB	QSX 2121.9 kHz
2639.0	SPS	Witowo R, POL	SSB	QSX 2090.0 kHz
2641.0	ODR 6	Beirut R, LBN	SSB	
2642.0	ICB	Genova R, I	SSB	
	J5M	Bissau R, GNB	SSB	
	LGP	Bodoe R, NOR	SSB	QSX 2125.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 2125.0 kHz
	LGZ	Farsund R, NOR	SSB	QSX 2125.0 kHz
2644.0	YKI	SCOTC Tartus R, SYR	SSB	
2645.0	D4A	Mindelo R, S. Vicente, CPV	CW	
	OMC	Bratislava R, TCH	CW/SSB	
	OMK	Komarno R, TCH	CW/SSB	

2645.0	**OXZ**	**Lyngby R, DNK**	**SITOR-A: 1358-0603 tts; QSX 2835.0 kHz**	
			CW	
2649.0	EAS	Cabo Penas R, E	SSB	QSX 3231.0 kHz
	LGH	Harstad R, NOR	SSB	QSX 2132.0 kHz
	LGL	Floroe R, NOR	SSB	QSX 2132.0 kHz
	TKM	Grasse R, F	SSB	
	4XA	Elat R, ISR	SSB	
	4XO	Haifa R, ISR	SSB	

2650.0 - 2850.0 **Region 1 = FIXED + MOBILE except aeronautical mobile (R)**

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Regions 2 + 3 = FIXED + MOBILE

2650.0		Abidjan F R, CTI	SSB	
2652.0	5RN	Nosy Be R, MDG	SSB	
	5TA	Nouadhibou R, MTN	SSB	
		Mananjary R, MDG	SSB	
		Morondava R, MDG	SSB	
		Port Gentil Port R, GAB	SSB	
2652.9	LGQ	Rogaland R, NOR	SSB	QSX 2135.9 kHz
2653.0	XVR 4	Vung Tau R, VTN	SSB	
2654.0		Libreville Port R, GAB	SSB	
2655.0	XFF	Coatzacoalcos R, MEX	SSB	QSX 2165.0 kHz
2656.0	A9M	Hamala R, BHR	SSB	
	IPA	Ancona R, I	SSB	QSX 2023.0 kHz
	LGP	Bodoe R, NOR	SSB	QSX 2139.0 kHz
	LGQ	Rogaland R, NOR	SSB	QSX 2139.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 2139.0 kHz
	VJQ	RFDS Kalgoorlie, WA, AUS	SSB	
	4XA	Elat R, ISR	SSB	
2657.0	CT.	many PN stations	SSB	
2660.0	XF..	many PEMEX R stations, MEX	SSB	
2662.0	YKO	Tartus R, SYR	SSB	
	Y5M	Rügen R, DDR	SSB	
2663.0	CNP	Casablanca R, MRC	SSB	
	FJN	Dzaoudzi R, MYT	SSB	
	IPC	Crotone R, I	SSB	QSX 2023.0 kHz
	LGA	Alesund R, NOR	SSB	QSX 1632.5 kHz
	LGH	Harstad R, NOR	SSB	QSX 1632.5 kHz
	LGT	Tjoeme R, NOR	SSB	QSX 1632.5 kHz
		Antalaha R, MDG	SSB	
2665.0	XFK	La Paz R, MEX	SSB	QSX 2160.0 kHz
	Y5M	Rügen R, DDR	SSB	QSX 1960.0 kHz
2666.0	UMN	Murmansk R, RU, URS	SSB	
2666.9	LGN	Bergen R, NOR	SSB	QSX 2086.9 kHz
2667.0	GHD	Gallan Head R, G	SSB	
2670.0	COB 36	Flota Cubana F R, CUB	SSB	
	COB 61	Ciego de Avila F R, CUB	SSB	
	LGD	Oerlandet R, NOR	SSB	QSX 2090.0 kHz
	LGN	Bergen R, NOR	SSB	QSX 2090.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 2090.0 kHz
	NMC	USCG San Franc., CA, USA	SSB	
	NMJ 2	USCG Ketchikan, ALS	SSB	
	NMO	USCG Honolulu, HWA	SSB	
	NM./..	many USCG stations	CW	
	NOJ	USCG Kodiak, ALS	SSB	
	NRV	USCG Apra Harbour, GUM	SSB	
	TAH	Istanbul R, TUR	SSB	
	TAR	Zonguldak R, TUR	SSB	
	UNI	Ventspils R, LA, URS	SSB	

2670.0	YU.	many R stations, YUG	SSB
	3VT	Tunis R, TUN	SSB
	5BA	Nicosia R, CYP	SSB
2677.0	JXU 4	NN Bodoe, NOR	CW
		many Cross R stations, F	SSB
2679.0		Cabo de Gata R, E	SSB QSX 3283.0 kHz
2680.0	S9M	Sao Tome R, STP	SSB
	4XZ	IN Haifa, ISR	CW
	9MG 4	Georgetown R, Pin. I., MLA	SSB
2680.5	DHJ 59	GN Wilhelmshaven, D	CW
2683.0	IDC	Cagliari R, I	SSB
2684.0	GKZ	Humber R, G	SSB
2685.0	XFM	Manzanillo R, MEX	SSB QSX 2290.0 kHz
	YU.	many R stations, YUG	SSB
2686.0	HSA 6	Bangkok R, THA	SSB
2690.0	PK. ..	many R stations, INS	SSB QSX 2090.0 kHz
2691.0	**DHJ 51**	**Grengel Meteo, D**	**100 Bd: 1739-0856+1739 ry or wx**
	FFU	Brest - Le Conquet R, F	SSB
	GND	Stonehaven R, G	SSB
	7TA	El Djaza'ir R, ALG	SSB
2693.0	TAL	Antalya R, TUR	SSB
2694.0	CLK	Nuevitas R, CUB	SSB
	CLT 3	Nueva Gerona F R, CUB	SSB QSX 2760.0 kHz
	CUL	Lisbon R, POR	SSB
	9MP 7	Kelang R, MLA	SSB
2695.0	LG.	many R stations, NOR	SSB QSX 1657.5 kHz
	URL	Sevastopol' R, UK, URS	SSB
		Potsdam Meteo, DDR	**100 Bd: 0308 wx**
2696.0	XVG 4	Hai Phong R, VTN	SSB
2696.7	**GLD**	**Land's End R, G**	**SITOR-A: 24 h tts; QSX 2497.8 kHz** CW
2698.0	GNF	North Foreland R, G	SSB
	ICZ	Venezia R, I	SSB QSX 2023.0 kHz
2699.0	HLP	Pusan R, KOR	SSB QSX 2385.0 kHz
2700.0	TFM	Neskaupstadur R, ISL	SSB QSX 2002.0 kHz
	5BA	Nicosia R, CYP	SSB QSX 4079.0 kHz
	6VU	**ASECNA Dakar, SEN**	**ARQ-M2 96 Bd: A: 0107 msg (DKA) B: 0100 "ch" (SMA)**
2705.0	GKR	Wick R, G	SSB
	TNA	Pointe-Noire R, COG	SSB
2707.0		Barcelona R, E	SSB QSX 3290.0 kHz
2710.0	IPD	Civitavecchia R, I	SSB
	XFY	Guaymas R, MEX	SSB QSX 2255.0 kHz
	XSR	Haikou R, CHN	SSB
	9LL	Freetown R, SRL	SSB
2711.0	CLT	Habana R, CUB	SSB
2712.0	5RD	Tolanaro R, MDG	SSB
	5RL	Antseranana R, MDG	SSB
		Maintirano R, MDG	SSB
2714.0	EAB	Bagur R, E	SSB QSX 3283.0 kHz
2716.0	**SAB**	**Goeteborg R, S**	**SITOR-A: 1730-0729 tts**
	ZSL 27	Lüderitz R, NMB	SSB
	ZS. ..	many R stations, AFS	SSB QSX 2049.0 kHz
2719.0	GCC	Cullercoats R, G	SSB
	GLD	Land's End R, G	SSB
	HSP 4	Phuket R, THA	SSB
	SPS	Witowo R, POL	SSB
	3VS	Sfax R, TUN	SSB
	7TO	Oran R, ALG	SSB
2720.0	RDE 73	Kuybishev Meteo, RU, URS	FAX 60/288: 1645+2130+2238 chart Black Sea - Caspian Sea area

2720.0	UBC 7	Uglegorsk R, FE, URS	SSB	
	UQX 2	Poronaysk R, FE, URS	SSB	
2721.5	CWC ..	many UN stations, URG	SSB	
2722.0	ICB	Genova R, I	SSB	QSX 2023.0 kHz
	XFB	Ciudad del Carmen R, MEX	SSB	QSX 2255.0 kHz
2723.0	8PO	Bridgetown R, BRB	SSB	
2723.6	DSR 52	Geojin F R, KOR	SSB	
	6MN	Sokcho F R, KOR	SSB	
2724.0	KUP 65	Majuro R, MRL	SSB	
	KUP 6.	many R stations, CAR	SSB	
	TFZ	Isafjoerdur R, ISL	SSB	QSX 2023.0 kHz
2725.0	IDQ	IN Rome, I	CW	
	XFE	Ensenada R, MEX	SSB	
	XFN	Progreso R, MEX	SSB	QSX 2555.0 kHz
	XFP	Chetumal R, MEX	SSB	QSX 2255.0 kHz
2726.0	FFU	Brest - Le Conquet R, F	SSB	
	SPC	Gdynia R, POL	SSB	QSX 2090.0 kHz
2727.0	***DAN***	***Norddeich R, D***	***scheduled; QSX 2538.0 kHz***	
2730.0	SVL	Limnos R, GRC	SSB	
	ZAD	Durres R, ALB	SSB	
2733.0	GNF	North Foreland R, G	SSB	
	SAH	Härnösand R, S	SSB	QSX 2216.0 kHz
	5RS	Toamasina R, MDG	SSB	
2735.0	DSB	Pusan F R, KOR	CW	
	9YL	North Post R, TRD	SSB	
		AMOCO Galeota R, TRD	SSB	
2738.0	CBV 3	DGTMMM Hanga Roa R, PAQ	SSB	
	CB./..	many DGTMMM R stns., CHL	SSB	
	CLO	Habana R, CUB	SSB	
	COB 8	Santiago de Cuba F R, CUB	SSB	
	CWC 39	UN Montevideo, URG	SSB	
	HI./..	many Pilot R stations, DOM	SSB	
	HPQ 21	Panama Port R, PNR	SSB	
	OBC 3	Callao R, PRU	SSB	
	OBF 4	Mollendo R, PRU	SSB	
	OBY 2	Paita R, PRU	SSB	
	6YX	JCG Kingston, JMC	SSB	
		AMOCO Galeota R, TRD	SSB	
		Port-au-Prince R, HTI	SSB	
2740.0	FFO	Saint Nazaire R, F	SSB	
	HPP 20	Panama R, PNR	SSB	
	OXP	Skagen R, DNK	SSB	QSX 3259.0 kHz
	STP	Port Sudan R, SDN	SSB	
2742.0	CUG	Ponta Delgada R, AZR	SSB	
2745.0	XFQ	Salina Cruz R, MEX	SSB	QSX 2160.0 kHz
2746.0	HSA 7	Bangkok R, THA	SSB	
2747.0	FFB	Boulogne-sur-Mer R, F	SSB	
	XVG 4	Hai Phong R, VTN	SSB	
		many Pilot R stations, FNL	SSB	
2748.0	YQI	Constanta R, ROU	SSB	
2750.0	LZL	Bourgas R, BUL	SSB	
	XSV	Tianjin R, CHN	SSB	
	9KK	Safat R, KWT	SSB	
2752.0	YUW	Bar R, YUG	SSB	
	ZBI	Georgetown R, ASC	SSB	
2754.0	SDJ	Stockholm R, S	SSB	QSX 2206.0 kHz
2755.0	ZBI	Georgetown R, ASC	SSB	
	5OW	Lagos R, NIG	SSB	
	9LL	Freetown R, SRL	SSB	
2756.0	XFS	Tampico R, MEX	SSB	QSX 2290.0 kHz
2758.0	OSU	Oostende R, BEL	SSB	
2760.0	CL./.	many R stations, CUB	SSB	

2760.0	TAF	Samsun R, TUR	SSB	
	TAN	Izmir R, TUR	SSB	
	TAO	Trabzon R, TUR	SSB	
	TCR	TURBAN Istanbul R, TUR	SSB	
	9VG 5	Singapore R, SNG	SSB	QSX 2527.0 kHz
2761.0	OSU	Oostende R, BEL	SSB	
	ZSL 28	Lüderitz R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	QSX 2056.0 kHz
2765.0	9KK	Safat R, KWT	SSB	
2767.0	MGJ	RN Glasgow, G	CW	
2768.0	A7D	Doha R, QAT	SSB	
	SAE	Tingstäde R, S	SSB	QSX 3289.0 kHz
	SVN	Athens R, GRC	SSB	
2768.5	CWF	Punta Carretas R, URG	SSB	QSX 2152.5 kHz
		Giessen, D	**VFT: ARQ-E 72 Bd: 0300 msg (GSVHF)**	
2770.0	LZW	Varna R, BUL	SSB	
		Potsdam Meteo, DDR	**100 Bd: 1837-0728 wx**	
2771.0	YU.	many R stations, YUG	SSB	
2772.0	DAO	Kiel R, D	SSB	QSX 2143.0 kHz
2775.0	DAO	Kiel R, D	SSB	QSX 1627.5 kHz
	FFC	Arcachon R, F	SSB	
	7TA	El Djaza'ir R, ALG	SSB	
2779.0	GND	Stonehaven R, G	SSB	
2780.0	S9M	Sao Tome R, STP	SSB	
	UCY 2	Astrakhan' R, RU, URS	CW	
	9VG 52	Singapore R, SNG	SSB	QSX 2685.0 kHz
2781.0	CUL	Lisbon R, POR	SSB	
2782.0	GLD	Land's End R, G	SSB	
	WCM	Withamsville R, OH, USA	SSB	
	WFN	Jeffersonville R, IN, USA	SSB	
	WGK	Saint Louis R, MO, USA	SSB	
2783.0	ZSA 29	Cape Agulhas R, AFS	SSB	QSX 2100.0 kHz
	ZSE 29	East London R, AFS	SSB	QSX 2100.0 kHz
	ZSL 29	Lüderitz R, NMB	SSB	
	ZSM 29	Cape Columbine R, AFS	SSB	QSX 2100.0 kHz
	ZSV 7	Walvis Bay R, NMB	SSB	
2785.9		Kushiro Harbour R, J	SSB	
2786.0	**GYA**	**RN London, G**	**75 Bd: 0047 test**	
2787.0	COB 72	Puerto Padre F R, CUB	SSB	
	COB 90	Holguin F R, CUB	SSB	
	COB 94	Gibara F R, CUB	SSB	
2789.0	IDF	Messina R, I	SSB	QSX 2023.0 kHz
	SAA	Karlskrona R, S	SSB	QSX 3185.0 kHz
2790.0	9MG 24	Georgetown R, Pin. I., MLA	SSB	
2791.0		Port Gentil Port R, GAB	SSB	
2792.0	VJB	RFDS Derby, WA, AUS	SSB	
		Palma de Mallorca R, E	SSB	
2795.0	**UAH**	**Tallinn R, ES, URS**	**0205+1925+2225 R tts wtsca; QSX 2535.0 kHz SITOR-A: 2253 tts; QSX 2535.0 kHz**	
2799.0	DAN	Norddeich R, D	SSB	QSX 2128.0 kHz
	EAV	Cabo de la Nao R, E	SSB	QSX 3231.0 kHz
	SVH	Iraklion R, GRC	SSB	
2800.0	UFA	Batumi R, GE, URS	SSB	QSX 2100.0 kHz
	3XO 7	Kamsar R, GUI	SSB	
	4XZ	IN Haifa, ISR	CW	
2802.0	XFC	Cozumel R, MEX	SSB	QSX 2160.0 kHz
2805.0	COB 32	Flota del Golfo F R, CUB	SSB	
	UDC	Zhdanov R, UK, URS	SSB	QSX 3180.0 kHz
	VKF	RFDS Wyndham, WA, AUS	SSB	

2805.0	XFL	Mazatlan R, MEX	SSB	QSX 2355.0 kHz
	XFU	Veracruz R, MEX	SSB	QSX 2670.0 kHz
	3XC 6	Conakry R, GUI	SSB	
2806.0	EAF	Finisterre R, E	SSB	QSX 3283.0 kHz
2810.0	GNI	Niton R, G	SSB	
	OHG	Helsinki R, FNL	SSB	QSX 2002.0 kHz
2812.0	Y5M	Rügen R, DDR	SSB	
2812.5	DSB	Pusan F R, KOR	CW	
2813.6	GYA 1	RN London, G	FAX $ CW	
2814.0	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
2815.0	IDR 8	IN Rome, I	CW	
	RVO 76	Moscow Meteo, RU, URS	FAX $	
	Y5M	Rügen R, DDR	SSB	
2815.5	**OST**	**Oostende R, BEL**	**SITOR-A: 0640+1120+1248 tts** CW	
2816.0	5AB	Benghazi R, LBY	SSB	
2817.0	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
	SUH	Alexandria R, EGY	SSB	
2818.0	PZN	Paramaribo R, SUR	SSB	
2820.0	EAL	Las Palmas R, CNR	SSB	QSX 3290.0 kHz
	TAM	Mersin R, TUR	SSB	
	9GX	Tema R, GHA	SSB	
2821.0	HSP 5	Phuket R, THA	SSB	
2822.0	**DHN 37**	**Grengel Meteo, D**	**100 Bd: 0637-2145 ry or wx** FAX // 2342.5 kHz $	
2824.0	COB 52	Caibarien F R, CUB	SSB	
	PCG	Scheveningen R, NLD	SSB	QSX 2520.0 kHz
2828.0	GCC	Cullercoats R, G	SSB	
2830.0	SVK	Kerkyra R, GRC	SSB	
	UNM 2	Klaipeda R, LI, URS	SSB	
	9MK 8	Kuantan R, MLA	SSB	
2831.0	SPO	Szczecin R, POL	SSB	QSX 2090.0 kHz
2832.7	**GNK**	**Norwick R, G**	**SITOR-A: 24 h tts; QSX 2494.7 kHz** **SITOR-B: 0300 tfc list** CW	
2833.0	COB 6	Camagüey F R, CUB	SSB	
	COB 62	Nuevitas F R, CUB	SSB	
2835.0		**ship stations**	**QSX 2645.0 kHz (OXZ)**	
2836.0	COB 4	Matanzas F R, CUB	SSB	QSX 2083.0 kHz
	COB 42	Cadenas F R, CUB	SSB	
	HLK	Gangreung R, KOR	SSB	QSX 2312.0 kHz
2839.0	COB 41	Cienfuegos F R, CUB	SSB	
		UNID station (289)	**SITOR-A: 0635 final G tfc, s. off**	
2840.0	OAH 3	VICMARSA Paita R, PRU	SSB	
	OAO 3	VICMARSA Lima R, PRU	SSB	
	SUP	Port Said R, EGY	SSB	
2841.0	EBA	SN Madrid, E	CW	
2842.0		Chipiona R, E	SSB	QSX 3231.0 kHz
2843.0	CUB	Funchal R, MDR	SSB	
2844.0	FDC	FAF Metz, F	CW	
2845.0	DAN	Norddeich R, D	SSB	QSX 3158.0 kHz
	FJA	Papeete R, Tahiti, OCE	SSB	
	KUQ	Pago Pago R, SMA	SSB	
	KUQ 23	Swains Island R, SMA	SSB	
	XVR 4	Vung Tau R, VTN	SSB	
2848.0	DAN	Norddeich R, D	SSB	QSX 3161.0 kHz
	'78 IJU'	**SN Madrid, E**	**75 Bd: 0424 tfc to '75 RQA'**	

2850.0 - 3025.0 AERONAUTICAL MOBILE (R) < 501 505 >

2851.0		AMS = AFI, 2A 3B 3C 9C 11B 13E 13F 14	SSB
2854.0		AMS = SAT, 3A 3B 6E 10B	SSB
2857.0		AMS = 2B 2C 6B 13J	SSB
2860.0		AMS = 1B 3A 3C 9B 10B 12E 12J 13I, VAFI	SSB
2863.0		AMS = 2A 2C 7B 13C 13J 13K, VPAC	SSB
2865.5		**Saarbrücken, D**	**ARQ-E 96 Bd: 2042 final msg (HFVSL)**
2866.0		AMS = 2C 3C 4B 6D 10A	SSB
2869.0		AMS = CEP, 2A 2B 3A 6G 10E 13C 14G	SSB
2872.0		AMS = NAT, 3B 6A 6E 13G	SSB
2875.0		AMS = 2A 2B 3A 6G 10A 12G	SSB
2878.0		AMS = AFI, 3B 3C 11B 13I 13J 14	SSB
2879.5	**LGB**	**Rogaland R, NOR**	**SITOR-A: 1914-0607 tts** CW
2881.0		AMS = 1B 2A 2B 3A 6C, VSAM	SSB
2884.0		AMS = 2C 3B 6D	SSB
2887.0		AMS = CAR, 2A 2B 3A 7E 13I 14C	SSB
2890.0		AMS = 1B 6G 13J	SSB
2892.0	**GYA**	**RN London, G**	**75 Bd: 0428+1913+2141 test**
2893.0		AMS = 2C 3 4B 10D 12F	SSB
2896.0		AMS = 2A 2B 3A 6G	SSB
2899.0		AMS = NAT, 5D 6G 13H	SSB
2902.0		AMS = 2B 2C 3B 6G 12J	SSB
2905.0		AMS = 3A 3C 5C 9B, VNAT	SSB
2908.0		AMS = 2B 2C 3B 13M	SSB
2911.0		AMS = 3A 5B 6G 10A	SSB
2914.0		AMS = 2B 2C 3B 13D	SSB
2917.0		AMS = 2A 6E 6G	SSB
2920.0		AMS = 2B 2C 6B 12C 13J	SSB
2923.0		AMS = 3A 6A	SSB
2926.0		AMS = 2A 2C 4A 6F 10C 12J	SSB
		ship stations	**QSX 3316.8 kHz (PCH 86)**
2929.0		AMS = 2B 9B	SSB
2932.0		AMS = NP, 2A 2C 13K	SSB
2935.0		AMS = SAT, 3 10D	SSB
2938.0		AMS = 2, 6G	SSB
2941.0		AMS = 2A 6F	SSB
2944.0		AMS = MID SAM, 10A 10E 14G	SSB
2947.0		AMS = 6A	SSB
2950.0		AMS = 2 3C 7C 10F 12A 14A 14D, VCAR	SSB
	5AF	**Tripoli Air, LBY**	**0154+0504+0510+2145 ry**
2953.0		AMS = 4A 6G	SSB
2956.0		AMS = 6C 7F 10A 12E 12F 12G 12H 13F, VMID	SSB
2959.0		AMS = 3A	SSB
2962.0		AMS = NAT, 6G	SSB
2965.0		AMS = 1E 7B 10C 12F 12J 13H, VSEA	SSB
2968.0		AMS = 3B 5B 6G	SSB
2971.0		AMS = NAT, 5D 6G 13G	SSB
2974.0		AMS = 1D 3C	SSB
2977.0		AMS = 1C 6G 13M	SSB
2980.0		AMS = 1D 3C 12C	SSB

2983.0		AMS = 1C 6G 13D	SSB
2986.0		AMS = 3C 5A 13N	SSB
2989.0		AMS = 1D 6G	SSB
2992.0		AMS = MID, 10A 10E 13C	SSB
2995.0		AMS = 6G	SSB
2998.0		AMS = CWP, 7D 12E 12F 12G 12H 13F, VEUR	SSB
3001.0		AMS = 6A 6E	SSB
3004.0		AMS = NCA, 11B 13K	SSB
3007.0		AMS = W II/III	SSB
3010.0		AMS = W I/IV	SSB
3013.0		AMS = W II/V	SSB
3016.0		AMS = EA NAT, 9D 13G	SSB
3019.0		AMS = NCA, 11B 13K	SSB
3023.0	*worldwide*	*calling/distress/safety f.*	*CW/SSB*

3025.0 - 3155.0 AERONAUTICAL MOBILE (OR)

3026.0	MRP	RAF High Wycombe, G	SSB
3032.2	**DHJ 51**	**Grengel Meteo, D**	**(sp 3035.5 kHz)**
3035.5	**DHJ 51**	**Grengel Meteo, D**	**100 Bd: 24 h ry or wx**
3038.8	**DHJ 51**	**Grengel Meteo, D**	**(sp 3035.5 kHz)**
3060.0		many USAF stations	SSB
3067.0	AJE	USAF Wolvey, G	SSB
3073.5	**DHN 37**	**Grengel Meteo, D**	**100 Bd: 0007-0527 wx, 1828 ry**
3097.3	'L'	Beacon Leningrad, RU, URS	CW
3147.0		**ship stations**	**QSX 1646.0 kHz (LGF 2)**
3150.0	9GA	Takoradi R, GHA	SSB
	9GX	Tema R, GHA	SSB
3151.0	CJX	CF St. John's, NFLD, CAN	SSB

3155.0 - 3200.0 FIXED + MOBILE except aeronautical mobile (R) < 506 507 >

3160.0	UKW 3	Korsakov R, FE, URS	CW
3162.0	ZHH	Jamestown R, SHN	SSB
3165.0	9YL	North Post R, TRD	SSB
3166.5	**DHJ 51**	**Grengel Meteo, D**	**100 Bd: 0624-1744 ry or wx**
3167.0	'P'	Beacon Kaliningrad, RU, URS	CW
3168.0		Ziguinchor Port R, SEN	SSB
3170.0	BAF	Beijing Meteo, CHN	FAX 120/576: 0005-1047 charts
	OLB 5	Prague TS, TCH	CW
	UBD	Krasnovodsk R, TU, URS	SSB
3171.9	'X'	Beacon Prague, TCH	CW
3172.5	**IMB 1**	**Rome Meteo, I**	**24 h ry or wx**
3175.0	OZW	Qanaaq R, GRL	SSB
3179.0	FDC	FAF Metz, F	CW
3179.5	FDC 21	FAF Drachenbronn, F	CW
3180.0	PK. ..	many R stations, INS	SSB QSX 2080.0 kHz
	'X'	Beacon Prague, TCH	CW
3182.0	PKA	Sabang R, INS	SSB QSX 2080.0 kHz
3185.0	UDH	Riga R, LA, URS	CW
3186.0	KWS 78	USE Athens, GRC	CW
3188.0	FDG 2	FAF Mont-de-Marsan, F	CW
3188.6	GXW	RN Portland, G	CW
3190.0	UBN	Zhdanov R, UK, URS	CW
3196.0		**Prague Meteo, TCH**	**1722-0624 ry or wx**
3197.0		Libreville Port R, GAB	SSB

3200.0 - 3230.0 BROADCASTING + FIXED + MOBILE except aeronautical mobile (R) < 503 506 >

3202.0	EQM	Bushire R, IRN	SSB
	EQQ	Khark R, IRN	SSB
3206.0	'P'	Beacon Kaliningrad, RU, URS	CW
3210.0	UZT	Mezen' R, RU, URS	SSB
3215.0	URB 2	Klaipeda R, LI, URS	CW
3224.0	DSB	Pusan F R, KOR	CW
3229.0	**AFS**	**USAF AWS Omaha, NE, USA**	**75 Bd: 0021-0140+1112 wx**

3230.0 - 3400.0 BROADCASTING + FIXED + MOBILE except aeronautical mobile < 503 506 508 >

3232.0	AIR	USAF AWS Omaha, NE, USA	FAX 120/576: 1900-0510 charts
3234.0	HLP	Pusan R, KOR	CW
3237.0		Libreville Port R, GAB	SSB
3237.5	UAW	Makhachkala R, RU, URS	SSB QSX 2100.0 kHz
3242.5	NMF	USCG Boston, MA, USA	FAX $
3247.0	EQA	Abadan R, IRN	SSB
3247.5	EQL	Anzali R, IRN	SSB
3250.0	OZW	Qanaaq R, GRL	SSB
	RXB 70	Khabarovsk Meteo, SE, URS	FAX 60/576: 0100-1031+1600 charts
	UDK 2	Murmansk R, RU, URS	CW
3253.0	**LZF 8**	**Sofia Meteo, BUL**	**1821-0402 ry or wx**
	VFF	Iqaluit Met., NWT, CAN	FAX $
3262.0	RIB	Moscow, RU, URS	CW
3266.7	**LRB 83**	**TELAM Buenos Aires, ARG**	**2100-0500 S nx**
3267.5		**ship stations**	**QSX 2423.5 kHz (SAB)**
3276.0	OYR	Aasiat R, GRL	SSB QSX 1638.0 kHz
3280.0	OYR	Aasiat R, GRL	SSB QSX 1638.0 kHz
	RBX 70	Tashkent Met., UZ, URS	FAX $
3282.0	HKC	Buenaventura R, CLM	SSB
3287.0	CKN	CF Vancouver, BC, CAN	CW
3289.5	GFA 21	Bracknell Meteo, G	FAX $
3290.0	**RGC 7.**	**Kiyev Meteo, UK, URS**	**24 h ry or wx**
3291.0	'P'	Beacon Kaliningrad, RU, URS	CW
3296.5	**FDX**	**FAF Paris, F**	**0120 ry**
3297.0	EQA	Abadan R, IRN	SSB
3299.0	FDC	FAF Metz, F	CW
3300.0	RUU 76	Leningrad Meteo, RU, URS	FAX 90/576: 1945+2245 chart North Sea - Baltic Sea area
3306.0	**MKK**	**RAF London, G**	**VFT: 75 Bd: 0138 ryi**
		ENPA Valencia R, E	SSB
3307.0		**Berlin, D**	**VFT: ARQ-E 96 Bd: 1511 encrypted msgs**
3310.0	UAH	Tallinn R, ES, URS	SSB
	UDE	Odessa R, UK, URS	SSB QSX 3180.0 kHz
3316.8	*PCH 86*	*Scheveningen R, NLD*	*scheduled; QSX 2926.0 kHz*
3318.0	**DHJ 51**	**Grengel Meteo, D**	**0403+1921+2120+2200+2235 wx**
3325.0		ENPA Valencia R, E	SSB
3330.0	CHU	Ottawa TS, ONT, CAN	CW/SSB
	RWZ 72	**Moscow Meteo, RU, URS**	**1800-0528 ry or wx**
3356.0	**SUA 99**	**MENA Cairo, EGY**	**1700+2100 E nx**
3357.0	NAM	USN Norfolk, VA, USA	FAX $
3358.5	TBH 3	TN Izmir, TUR	CW
3360.0	RPN 71	Kiyev Meteo, UK, URS	FAX $
3365.0	FDY	FAF Orleans, F	CW
	JMJ	Tokyo Meteo, J	FAX $
3370.0	DFC 37	BMPT Frankfurt, D	SSB

3375.0	HLK	Gangreung R, KOR	CW
3377.0	YMA 20	Ankara Meteo, TUR	FAX $
3388.0	**'RFFG'**	**FF Strasbourg, F**	**ARQ-E 96 Bd: 0105 svc msg (IXV)**

3400.0 - 3500.0 AERONAUTICAL MOBILE (R)

3401.0		AMS = 2B 2C 3B 9B 12C 13K	SSB
3404.0		AMS = 3A 3C 9C 9D 10B, VAFI	SSB
3407.0		AMS = 2B 2C 3B 7C 12D 14D	SSB
3410.0		AMS = 1D 3C 11B 13J	SSB
3413.0		AMS = CEP, 3B 6G 13C 14A 14E, VEUR	SSB
3416.0		AMS = 1D 2A 2B 3A 6D	SSB
3419.0		AMS = AFI, 3B 3C 9B 10D 12J 13I	SSB
3422.0		AMS = 2A 2B 3A 6G	SSB
3425.0		AMS = AFI, 3B 3C 9B 10D 13D	SSB
3428.0		AMS = 2B 2C 11B 13J	SSB
3431.0		AMS = 3A 3B 5B 6G	SSB
3434.0		AMS = 2A 2C 6F 11B 13G	SSB
3435.3	**GYA**	**RN London, G**	**75 Bd: 0025+1647+1854+2000 test**
3436.6	GZZ 6	RN London, G	FAX // 2813.6 kHz $ CW
3437.0		AMS = 3B 4A 6G 13M	SSB
3440.0		AMS = 2A 2C 6F 12	SSB
3443.0		AMS = 3A 3B 4B 6E 11B 13N	SSB
3446.0		AMS = 1D 6G 10E 13F 14	SSB
3449.0		AMS = 2B 2C 6G 10A 13M	SSB
3452.0		AMS = SAT, 3A 3C 5A 5C 14C	SSB
3455.0		AMS = CAR CWP, 2A 2C 7B 13H	SSB
3458.0		AMS = 1B 10D 13C 13J 13K, VSEA	SSB
3461.0		AMS = 7F 9C 12E 12F 12G 12H 14, VNCA	SSB
3463.0	**3BT 2**	**Vacoas Meteo, MAU**	**1830 ry, wx**
3464.0		AMS = 1C 6G 12C 13K	SSB
3467.0		AMS = AFI MID SP, 10B 13D	SSB
3470.0		AMS = SEA, 1C 10A 13G	SSB
3473.0		AMS = MID, 1B 6C 10E 13C	SSB
3476.0		AMS = INO NAT, 9B 13F	SSB
3479.0		AMS = EUR SAM, 6A 6B 14	SSB
3482.0		AMS = 5D 6G	SSB
3485.0		AMS = EA SEA, 7E 13H, VNAT	SSB
3488.0		AMS = 1B 5B 6B 10B 12E 12F 12G 12H 14B 14F	SSB
3491.0		AMS = EA, 1E 4A 10C 13E	SSB
3494.0		AMS = W II	SSB
3497.0		AMS = W II	SSB

3500.0 - 3750.0 Region 1 = AMATEUR + FIXED + MOBILE except aeronautical mobile < 484 510 >

Region 2 = AMATEUR < 509 510 511 >
Region 3 = AMATEUR + FIXED + MOBILE < 510 >

3502.0	**GYA**	**RN London, G**	**75 Bd: 0613+0622 foxes**
3505.0	**RNJ 74**	**Minsk, BY, URS**	**2050 ry**
3508.0		R Moscow feeder, RU, URS	SSB
3517.0	**GNI**	**Niton R, G**	**SITOR-A: 1504-0619 tts** **SITOR-B: 0300+1500 tfc list** CW

3530.0	UPB	Provideniya R, FE, URS	CW	
3535.0	6YI	Kingston R, JMC	CW/SSB	
3540.0	URD	Leningrad R, RU, URS	CW	
3550.0	YMA 20	Ankara Meteo, TUR	1310-0516 ry or wx	
3560.0	HZN	Jeddah Meteo, ARS	FAX $	
3563.0	'U'	Beacon Murmansk, RU, URS	CW	
3563.5	'D'	Beacon Odessa, UK, URS	CW	
3563.6	7QH ..	many RAILMA R stns., MWI	SSB	
3564.0	'C'	Beacon Moscow, RU, URS	CW	
3564.2	'P'	Beacon Kaliningrad, RU, URS	CW	
3565.8	'L'	Beacon Leningrad, RU, URS	CW	
3566.0	'O'	Beacon Moscow, RU, URS	CW	
3571.0	SUA 40	MENA Cairo, EGY	1500-2300 A nx	
3590.0	ROF 71	Novosibirsk Met., SW, URS	1933+2143+2206 wx	
	UFH	Petropavl.-Km. R, FE, URS	CW	
3592.0	'P'	Beacon Kaliningrad, RU, URS	CW	
3593.0	FSB 52	INTERPOL Paris, F	SITOR-A: 1934-0509 tfc CW	
3595.0	9HA	Luqa Air, MLT	1558-0758 ry or msgs (MLA)	
3597.5		Tübingen, D	ARQ-E 96 Bd: 0414-1732 encrypted tfc	
3602.5	STK	Khartoum Air, SDN	0038 ry	
3605.0	CUL	Lisbon R, POR	SSB	
	UQB	Kholmsk R, FE, URS	CW	
3607.3	GKZ	Humber R, G	SITOR-A: 0257 tts; QSX 2496.3 kHz CW	
3607.8	GHD	Gallan Head R, G	SITOR-A: 1009+1944-0256 tts; QSX 2144.4 kHz CW	
3608.3	GCC	Cullercoats R, G	SITOR-A: 1938-0617 tts; QSX 2497.3 kHz SITOR-B: 2110 tts CW	
3610.0	GKR	Wick R, G	SSB	
	GPK	Portpatrick R, G	SSB	
	ROO 70	Rost.-na-D. M., RU,URS	FAX $	
3613.0	SVK	Kerkyra R, GRC	SSB	
3615.7	GND	Stonehaven R, G	SITOR-A: 24 h tts; QSX 2000.7 kHz CW	
3617.0	GND	Stonehaven R, G	SSB	
3618.5	CTH 21	PN Horta, AZR	CW	
3622.5	JMH	Tokyo Meteo, J	FAX $	
3624.0	YKM 7	Al Ladhiqiyah R, SYR	SSB	
3624.4	SVN	Athens R, GRC	SSB	
3627.9	LFO	Oerlandet R, NOR	SSB	QSX 3199.9 kHz
3628.0	7OA	Aden R, YMS	SSB	
3629.0	OSU	Oostende R, BEL	SSB	
	'78 IJU'	SN Madrid, E	75 Bd: 0000 ry	
3630.0	SVR	Rhodes R, GRC	SSB	
3631.0	LGN	Bergen R, NOR	SSB	QSX 3203.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 3203.0 kHz
3632.0	OSU	Oostende R, BEL	SSB	
3634.0	FDC	FAF Metz, F	CW	
3635.5	'U'	Beacon Murmansk, RU, URS	CW	
3636.0	YMB 20	Bandirma Meteo, TUR	CW	
3638.0	LGQ	Rogaland R, NOR	SSB	QSX 3210.0 kHz
3640.0	SVH	Iraklion R, GRC	SSB	
3641.0	BMB	Taipei Meteo, TAI	CW	
3641.9	LGZ	Farsund R, NOR	SSB	QSX 3213.9 kHz
3645.0	LGL	Floroe R, NOR	SSB	QSX 3217.0 kHz

3645.0	LGS	Svalbard R, Spitsbgn., NOR	SSB	QSX 3217.0 kHz
3648.0	TAI	Iskenderun R, TUR	SSB	
3650.0		Madrid Meteo, E	FAX $	
3651.5	SXA 32	GN Piraeus, GRC	CW	
3652.0	LGA	Alesund R, NOR	SSB	QSX 3168.0 kHz
	LGI	Hammerfest R, NOR	SSB	QSX 3168.0 kHz
	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
3655.0	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
	RVZ 73	**Arkhangelsk Met., RU, URS**	**2144-0343 wx**	
3656.0	FDY	FAF Orleans, F	CW	
	LBA 4	NN Stavanger, NOR	CW	
	4XA	Elat R, ISR	SSB	
	4XO	Haifa R, ISR	SSB	
3657.5	FDC	FAF Metz, F	CW	
3660.9	SVN	Athens R, GRC	SSB	
3666.0	GND	Stonehaven R, G	SSB	
3670.0	OBH 2	Pimentel R, PRU	SSB	
	YUS	Split R, YUG	SSB	
	YUX	Dubrovnik R, YUG	SSB	
3673.0	A7D	Doha R, QAT	SSB	
	PCG	Scheveningen R, NLD	SSB	QSX 3191.0 kHz
3678.0	SXH	GN Khania, GRC	CW	
3681.0	OSU	Oostende R, BEL	SSB	
3683.0	SXA 2	GN Piraeus, GRC	CW	
3684.0	OSU	Oostende R, BEL	SSB	
3685.8	**'RIFAG'**	**IA Palermo, I**	**0125+0714+1936 msgs**	
	'RIFAGF'	**IA Trapani, I**	**0430 msgs to 'RIFAG'**	
3690.0	RBV 70	Tashkent Met., UZ, URS	FAX $	
3690.1		Roseau Port R, DMA	SSB	
3696.0	**'RPFNN'**	**PN Lisbon, POR**	**0140 tfc, 2016 clg 'RPFNG'**	
	'RPTIH'	**PN Horta, AZR**	**0251+0304 ry**	
3702.0	FDG 21	FAF Cognac, F	CW	
3710.0	RGJ 61	Kuybishev Meteo, RU, URS	FAX 60/576: 0145+1945+2155+2245 chart Kazakhstan	
3711.5	SXA 33	GN Piraeus, GRC	CW	
3714.0	**FSB**	**INTERPOL Paris, F**	**SITOR-A: 0517+1517+2058+2129 msg**	
3717.0	**FSB**	**INTERPOL Paris, F**	**SITOR-A: 0249+0348 tfc**	
			CW	
3720.0	RBW 40	Murmansk, RU, URS	CW	
3722.0	FFC	Arcachon R, F	SSB	
	FFU	Brest - Le Conquet R, F	SSB	
	TKM	Grasse R, F	SSB	
3724.0	GXH	RN/USN Thurso, G	CW	
3730.0	URB 2	Klaipeda R, LI, URS	CW	
3735.0	IQH	Napoli R, I	SSB	
3737.0	UJY	Kaliningrad R, RU, URS	CW	
3738.0	GKZ	Humber R, G	SSB	
3740.0	LZW	Varna R, BUL	SSB	
3742.0	A4M	Muscat R, OMA	SSB	
3743.0	SVX	Chios R, GRC	SSB	
3744.0	**TNL**	**ASECNA Brazzaville, COG**	**ARQ-M2 96 Bd: A: 0158 msg B: 0020 "ch" + msgs (FGA)**	
3745.0	A4M	Muscat R, OMA	SSB	
	A9M	Hamala R, BHR	SSB	
	RIS 70	Tbilisi Met., GE, URS	FAX $	
3747.0	IPD	Civitavecchia R, I	SSB	

3750.0 - 3800.0 **Region 1 = AMATEUR + FIXED + MOBILE except aeronautical mobile < 484 510 >**
Region 2 = AMATEUR + FIXED + MOBILE except aeronautical mobile (R) < 510 511 512 514 515 >
Region 3 = AMATEUR + FIXED + MOBILE < 510 >

3750.0	GCC	Cullercoats R, G	SSB
3754.0	'P'	Beacon Kaliningrad, RU, URS	CW
3765.0	4XA	Elat R, ISR	SSB
	4XT	Tel Aviv R, ISR	SSB
3772.0	'P'	Beacon Kaliningrad, RU, URS	CW
3772.9	SVN	Athens R, GRC	SSB
3778.0	GKZ	Humber R, G	SSB
3781.0	**XTU**	**ASECNA Ouagadougou, BFA**	**ARQ-M2 96 Bd: A: 0520 "ch", wx with WMO headings B: 2155 msgs + "ch" to 5UA (ONA)**
3782.0	CTP	NATO Lisbon, POR	CW
3790.0	EBA	SN Madrid, E	CW
	OBR 3	Salaverry R, PRU	SSB
3793.0	SVL	Limnos R, GRC	SSB
3795.0	FFB	Boulogne-sur-Mer R, F	SSB
	FFM	Marseille R, F	SSB
	FFO	Saint Nazaire R, F	SSB
	GYA	**RN London, G**	**75 Bd: 0615+2346 foxes**

3800.0 - 3900.0 **Region 1 = AERONAUTICAL MOBILE (OR) + FIXED + LAND MOBILE**
Region 2 = AMATEUR + FIXED + MOBILE except aeronautical mobile (R) < 510 511 512 514 515 >
Region 3 = AMATEUR + FIXED + MOBILE < 510 >

3801.4	OBG 3	Pisco R, PRU	SSB
	OBT 2	Talara R, PRU	SSB
3803.0	**9KT 22**	**KUNA Safat, KWT**	**0800-2000 E nx**
	'RFFS'	**FF Metz, F**	**ARQ-E 96 Bd: 2046 air msgs to 'RFFC' (IBA)**
3807.0	**9KT 22**	**KUNA Safat, KWT**	**0700-2100 A nx**
3810.0	HD 210A	Guayaquil TS, EQA	CW/SSB
	RST 75	Minsk Meteo, BY, URS	FAX 90/576: 0555 table 1000/850/700/500/300 hPa values with Cyrillic text
3814.0	**FDC**	**FAF Metz, F**	**1325 clg FDX**
3826.5	**'RFFA'**	**MOD Paris, F**	**ARQ-E 96 Bd: 1954+2003+2027 msgs to 'RFFH' (INK)**
3832.5	FDG 2	FAF Mont-de-Marsan, F	CW
3840.0	**LRO 23**	**NA Buenos Aires, ARG**	**75 Bd: 0000+0100+2200+2300 S nx**
	OAB 6	PELPER Iquitos R, PRU	SSB
	OCP 2	PELPER Saramuro R, PRU	SSB
3848.0		R Moscow feeder, RU, URS	SSB
3855.0	DDH 3	Hamburg Meteo, D	FAX $
3859.0	**FUG**	**FN La Regine, F**	**75 Bd: 2212 clg EBA**
3860.6	CWC 30	UN La Paloma, URG	SSB
	CWC 39	UN Montevideo, URG	SSB
	L..	many R stations, ARG	SSB
3871.0	DSB	Pusan F R, KOR	CW
3875.0	FDI	FAF Aix, F	CW
	RCI 72	Moscow Meteo, RU, URS	FAX // 2815.0 kHz $
3883.5	AEM 1USA	USA MARS Heidelberg, D	SSB
3884.4	ASK	Karachi R, PAK	SSB
3890.0	UQB	Kholmsk R, FE, URS	CW
3894.0	**HSD**	**Bangkok Air, THA**	**1717 msgs, 1838+1845+2314 ry**

3898.0	**TNL**	**ASECNA Brazzaville, COG**	**ARQ-M2 96 Bd: A: 0106 msgs (FKA); 0205+2000+2146 wx with WMO headings** **B: 0206+1916+2000+2215 wx with WMO headings**
3900.0 - 3950.0		**Region 1 = AERONAUTICAL MOBILE (OR) < 513 >** **Region 2 = AMATEUR + FIXED + MOBILE except aeronautical mobile (R) < 510 511 512 514 515 >** **Region 3 = AERONAUTICAL MOBILE + BROADCASTING**	
3917.5	AEM 1...	many USA MARS stations	SSB
	AFA 7..	many USAF MARS stations	SSB
3936.0	MKL	RAF Edinburgh, G	CW
3950.0 - 4000.0		**Region 1 = BROADCASTING + FIXED** **Region 2 = AMATEUR + FIXED + MOBILE except aeronautical mobile (R) < 510 511 512 514 515 >** **Region 3 = BROADCASTING + FIXED < 516 >**	
3957.0	**SUU**	**Cairo Meteo, EGY**	**0240 wx**
3960.0	HXL	Saint Denis Meteo, REU	SSB
3980.0	TIM	Limon R, CTR	SSB
3995.0	**RXA 71**	**Alma Ata Meteo, KA, URS**	**1847-0406 ry or wx**
3999.0	**HZJ**	**Jeddah Air, ARS**	**1610-0428 ry or msgs (JVA)**
4000.0 - 4063.0		**FIXED + MARITIME MOBILE**	**< 516 517 >**
4000.0		ship stations, ch 1	SSB
4001.0	GXH	RN/USN Thurso, G	CW
4002.0	**YRR 2**	**Bucharest Meteo, ROU**	**1718-0522 wx**
4003.0		ship stations, ch 2	SSB
4004.5	**LRO 2**	**TELAM Buenos Aires, ARG**	**0900+2200-0500 S nx**
4005.0	RSR 76	Minsk Meteo, BY, URS	FAX 90/576: 0730 chart Northern Europe
4006.0		ship stations, ch 3	SSB
4007.5	FUO	FN Toulon, F	CW
4009.0		ship stations, ch 4	SSB
4010.0	DFD 21	BMPT Frankfurt, D	SSB
	FDY	FAF Orleans, F	CW
	VJK	RFDS Meekatharra, WA, AUS	SSB
	VJY	RFDS Darwin, NT, AUS	SSB
	VNZ	RFDS Port Augusta, SA, AUS	SSB
4012.0		ship stations, ch 5	SSB
4014.0	ZRO 5	Pretoria Meteo, AFS	FAX $
4015.0		ship stations, ch 6	SSB
	FDY	FAF Orleans, F	CW
	XZW	**Yangon Air, MYA**	**1133+2240 ry**
		Potsdam Meteo, DDR	**100 Bd: 1433-0613 wx**
4017.5	**ZRO 5**	**Pretoria Meteo, AFS**	**75 Bd: 0345+0402+1715+2338 wx**
4018.0		ship stations, ch 7	SSB
4020.0	**OMV 51**	**Prague, TCH**	**75 Bd: 1520 ry**
4021.0		ship stations, ch 8	SSB
4024.0		ship stations, ch 9	SSB
4025.0	**SNN 299**	**MFA Warsaw, POL**	**75 Bd: 0734 msg, 1545+1654 ry**
4027.0		ship stations, ch 10	SSB
4030.0		ship stations, ch 11	SSB
	AWD	**Delhi Air, IND**	**1134 msgs**
	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW

4030.0	VKL	RFDS Port Hedland, WA, AUS	SSB	
4031.0	'P'	Beacon Kaliningrad, RU, URS	CW	
4033.0		ship stations, ch 12	SSB	
4036.0		ship stations, ch 13	SSB	
4039.0		ship stations, ch 14	SSB	
4042.0		ship stations, ch 15	SSB	
	FDC 3	FAF Dijon, F	CW	
4042.5	**A9M 9**	**GNA Manama, BHR**	**75 Bd: 1500-2100 A nx**	
4043.0	FDY	FAF Orleans, F	CW	
4045.0		ship stations, ch 16	SSB	
	VJJ	RFDS Charleville, QLD, AUS	SSB	
		Potsdam Meteo, DDR	**100 Bd: 0018+1712+2007 wx**	
4047.5	DFD 25	BMPT Frankfurt, D	FAX 120/576: 0510+0535+0610 "TESTKARTE"	
4048.0		ship stations, ch 17	SSB	
4051.0		ship stations, ch 18	SSB	
4053.5	NGR	USN Kato Soli, GRC	FAX // 4704.0 kHz $	
4054.0		ship stations, ch 19	SSB	
	FUF	FN Fort de France, MRT	CW	
4054.5	'K'	Beacon Khabarovsk, SE, URS	CW	
4055.0	VJC	RFDS Broken Hill, NSW, AUS	SSB	
4057.0		ship stations, ch 20	SSB	
4060.0		ship stations, ch 21	SSB	
4061.5	FVA 80	Rosny sur Bois Gendarm., F	CW	

4063.0 - 4438.0 MARITIME MOBILE < 500A 500B 518 519 520 520A 520B >

4063.0		ship stations, ch 401	SSB	QSX 4357.4 kHz
	WCM	Withamsville R, OH, USA		
4065.0	RJFY	Leningrad R, RU, URS	CW	
4066.1		ship stations, ch 402	SSB	QSX 4360.5 kHz
	OED	DDSG Vienna R, AUT		
4069.2		ship stations, ch 403	SSB	QSX 4363.6 kHz
4072.3		ship stations, ch 404	SSB	QSX 4366.7 kHz
	OED	DDSG Vienna R, AUT		
4075.4		ship stations, ch 405	SSB	QSX 4369.8 kHz
4078.5		ship stations, ch 406	SSB	QSX 4372.9 kHz
4081.6		ship stations, ch 407	SSB	QSX 4376.0 kHz
4084.7		ship stations, ch 408	SSB	QSX 4379.1 kHz
4087.8		ship stations, ch 409	SSB	QSX 4382.2 kHz
4090.9		ship stations, ch 410	SSB	QSX 4385.3 kHz
4094.0		ship stations, ch 411	SSB	QSX 4388.4 kHz
4097.1		ship stations, ch 412	SSB	QSX 4391.5 kHz
4099.0	'P'	Beacon Kaliningrad, RU, URS	CW	
4100.2		ship stations, ch 413	SSB	QSX 4394.6 kHz
4103.3		ship stations, ch 414	SSB	QSX 4397.7 kHz
4106.0		**UNID meteo station (289)**	**0543 encoded wx msgs in UNID code; 1655 encoded wx msgs in UNID code, heading "..1900.." (local time?)**	
4106.4		ship stations, ch 415	SSB	QSX 4400.8 kHz
4109.5		ship stations, ch 416	SSB	QSX 4403.9 kHz
4112.6		ship stations, ch 417	SSB	QSX 4407.0 kHz
4115.7		ship stations, ch 418	SSB	QSX 4410.1 kHz
	WFN	Jeffersonville R, IN, USA		
4118.8		ship stations, ch 419	SSB	QSX 4413.2 kHz
4121.9		ship stations, ch 420	SSB	QSX 4416.3 kHz
4125.0		ship stations, ch 421 *(worldwide calling frequency)* *supplementary worldwide calling/distress/safety f.*	SSB	QSX 4419.4 kHz

4128.1		ship stations, ch 422	SSB	QSX 4422.5 kHz
4131.2		ship stations, ch 423	SSB	QSX 4425.6 kHz
	PPF	Fortaleza R, B		
4134.3		ship stations, ch 424	SSB	QSX 4428.7 kHz
4136.3	D.. .	many R stations, PHL	SSB	
	HOR 24	REFPA Panama R, PNR	SSB	
		Roseau Port R, DMA	SSB	
4137.4		ship stations, ch 425	SSB	QSX 4431.8 kHz
	PY. 2.	many Iate Clube R stns., B	SSB	
4139.5	DZM 9	Manila R, PHL	SSB	
	HPQ 21	Panama Port R, PNR	SSB	
		Armuelles Port R, PNR	SSB	
		La Palma Port R, PNR	SSB	
		Vacamonte Port R, PNR	SSB	
4140.5		ship stations, ch 426	SSB	QSX 4434.9 kHz
4142.0		Murmansk Met., RU, URS	FAX	$
4143.6	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
4163.0	RMP	SN Kaliningrad, RU, URS	CW	
4170.5		**ship stations, series 1**		**QSX 4350.0 kHz**
4171.0		**ship stations, series 2**		**QSX 4350.5 kHz**
4171.5		**ship stations, series 3**		**QSX 4351.0 kHz**
4172.0		**ship stations, series 4**		**QSX 4351.5 kHz**
4172.5		**ship stations, series 5**		**QSX 4352.0 kHz**
4173.0		**ship stations, series 6**		**QSX 4352.5 kHz**
4173.5		**ship stations, series 7**		**QSX 4353.0 kHz**
4174.0		**ship stations, series 8**		**QSX 4353.5 kHz**
4174.5		**ship stations, series 9**		**QSX 4354.0 kHz**
4175.0		**ship stations, series 10**		**QSX 4354.5 kHz**
		ship stations		**QSX 4519.0 kHz (OFA)**
4175.5		**ship stations, series 11**		**QSX 4355.0 kHz**
4176.0		**ship stations, series 12**		**QSX 4355.5 kHz**
4176.5		**ship stations, series 13**		**QSX 4356.0 kHz**
4177.0		**ship stations, series 14**		**QSX 4356.5 kHz**
4177.5		**ship stations, non-paired**		
	worldwide	***NBDPT distr. and safety f.***		
		ship stations		**QSX 4344.5 kHz (GKS 2)**
4178.0		**ship stations, non-paired**		
4178.5		**ship stations, non-paired**		
		ship stations		**QSX 4268.6 kHz (SAB 23)**
4179.0		**ship stations, non-paired**		
		ship stations		**QSX 4605.0 kHz (OST)**
4179.5		**ship stations, non-paired**		
4180.2		ship stations calling, ch 1	CW	
4180.6		ship stations calling, ch 2	CW	
4181.0		ship stations calling, ch 3	CW	
4181.4		ship stations calling, ch 4	CW	
4181.8		ship stations calling, ch 5	CW	
4182.2		ship stations calling, ch 6	CW	
4182.6		ship stations calling, ch 7	CW	
4183.0		ship stations calling, ch 8	CW	
4183.4		ship stations calling, ch 9	CW	
4183.8		ship stations calling, ch 10	CW	
4184.2		ship stations calling, ch 11	CW	
4184.6		ship stations calling, ch 12	CW	
4185.0		ship stations calling, ch 13	CW	
4185.4		ship stations calling, ch 14	CW	
4185.8		ship stations calling, ch 15	CW	
4186.2		ship stations calling, ch 16	CW	
4186.6		ship stations calling, ch 17	CW	
4187.0		ship stations calling, ch 18	CW	
4187.5	***worldwide***	***ship stations DSC freq.***		

4195.0	**'72 DOV'**	**SN Huelva, E**	**75 Bd: 0544+2000 clg '78 IJU'**
4196.0	'75 ORC'	SN Barcelona, E	CW
4202.2	'P'	Beacon Kaliningrad, RU, URS	CW
4202.5	RAT 21	Moscow Meteo, RU, URS	FAX // 144.5 kHz $
4207.5	***worldwide***	***DSC distress and safety f.***	
4209.5	***worldwide***	***NBDPT NAVTEX frequency***	
4210.0	***worldwide***	***NBDPT MSI frequency***	
4220.0	LZW 2	Varna R, BUL	CW
	YIR	Basrah Control R, IRQ	CW
	ZAD 2	Durres R, ALB	CW
4220.5	C6N	Nassau R, BAH	CW
	DAF	Norddeich R, D	CW
4221.3	GYU	RN Gibraltar, GIB	CW
4222.0	DVZ 9	Navotas R, PHL	CW
	XSN	Ningbo R, CHN	CW
4222.2	ZRH 2	SAN Capetown, AFS	CW
4223.0	KLC	Galveston R, TX, USA	CW
	KWX	NWS Lewes, DE, USA	FAX $
	SVD 2	Athens R, GRC	CW
	UGH 2	Juzno R, FE, URS	CW
4223.5	9HD	Valetta R, MLT	CW
4223.8	ZRQ 2	SAN Capetown, AFS	CW
4224.0	DZD 9	Quezon City R, PHL	CW
4225.0	CLA 3	Habana R, CUB	CW
	JCT	Choshi R, J	CW
	LPC 45	Ushuaia R, ARG	CW
	XFM	Manzanillo R, MEX	CW
	XFN	Progreso R, MEX	CW
	6YX	JCG Kingston, JMC	CW
4226.0	DYE 6/9	Cebu R, PHL	CW
4226.5	STP	Port Sudan R, SDN	CW
4227.0	SXA 3	GN Piraeus, GRC	CW
4228.0	CBV	DGTMMM Valpar. R, CHL	FAX $
	KFS	San Francisco R, CA, USA	CW
	XSP	Shantou R, CHN	CW
	9MG 6	Georgetown R, Pin. I., MLA	CW
4228.5	VII	Port Kennedy R, T. I., AUS	CW
	VIM	Melbourne R, VIC, AUS	CW
4229.0	UNM 2	Klaipeda R, LI, URS	CW
	VIP 7	Perth R, WA, AUS	CW
4230.0	D.. .	many R stations, PHL	CW
	UFB	Odessa R, UK, URS	CW
	4WD 3	Hodeidah R, YEM	CW
	'78 IJU'	**SN Madrid, E**	**75 Bd: 24 h clg '75 RQA'**
4230.5	VIB	Brisbane R, QLD, AUS	CW
4231.0	A7D	Doha R, QAT	CW
	PPJ	Juncao R, B	CW
	S3E	Khulna R, BGD	CW
4232.0	FUF	FN Fort de France, MRT	CW
	HWN	FN Paris, F	CW
4232.5	CTV 4	PN Lisbon, POR	CW
	VPS 8	Victoria Island R, HKG	CW
	5RS	Toamasina R, MDG	CW
4233.0	A4M	Muscat R, OMA	CW
	UKX	**Nakhodka R, SE, URS**	**1039 R tts wtsca** CW
4233.5	Y5M	Rügen R, DDR	CW
4234.0	**'71 HGE'**	**SN Las Palmas, CNR**	**75 Bd: 0209 ry, 0236 msg, 0546 ry** CW
4235.0	CLA 2	Habana R, CUB	CW
	HLP	Pusan R, KRE	CW

4235.0	ICB	Genova R, I	CW
	VAI	CCG Vancouver, BC, CAN	CW
4235.5	**CTV 4**	**PN Lisbon, POR**	**2000 wx**
	EDF	Aranjuez R, E	CW
4236.0	UDH	Riga R, LA, URS	CW
4236.5	VFF	CCG Iqaluit, NWT, CAN	CW
4237.0	HCG	Guayaquil R, EQA	CW
	PPO	Olinda R, B	CW
4237.5	FUE	FN Brest, F	CW
4238.0	DUF	Manila R, PHL	CW
	PK.	many R stations, INS	CW
	VTP 4	IN Vishakhapatnam, IND	CW
	WCC	Chatham R, MA, USA	CW
	4XO	Haifa R, ISR	CW
4239.0	HAR	Budapest R, HNG	CW
	9MB 2	MN Georgetown, Pin. I., MLA	CW
4239.4	SVB 2	Athens R, GRC	CW
4239.5	L..	many R stations, ARG	CW
4240.0	ELH	Harbel R, LBR	CW
	XSE	Qinhuangdao R, CHN	CW
	Y5M	Rügen R, DDR	CW
	ZSD 49	Durban R, AFS	CW
4241.0	HAR	Budapest R, HNG	CW
	LGW	Rogaland R, NOR	CW
	UKA	Vladivostok R, SE, URS	CW
	5AL	ARGOIL Tobruk R, LBY	CW
4241.4	4XZ	IN Haifa, ISR	CW
4242.0	DUS	Manila R, PHL	CW
4242.5	**Y5M**	**Rügen R, DDR**	**0130+1030+2100 G nx**
			CW
	ZSD 43	Durban R, AFS	CW
4243.0	UVD	Magadan R, FE, URS	CW
4244.0	DAL	Norddeich R, D	CW
	DUN	PN Manila, PHL	CW
	J..	many R stations, J	CW
	PPR	Rio de Janeiro R, B	CW
	XSK	Beihai R, CHN	CW
	3CA 4	Bata R, GNE	CW
4245.0	UAD 2	Kholmsk R, FE, URS	CW
	UFN	Novorossiysk R, RU, URS	CW
	VIS 53	Sydney R, NSW, AUS	CW
4246.0	FUE	FN Brest, F	CW
4246.3	**GYA**	**RN London, G**	**75 Bd: 1230+1324+2215 test**
4247.0	CBO	DGTMMM Punta Corona R, CHL	CW
	KPH	San Francisco R, CA, USA	CW
	OBC 3	Callao R, PRU	CW
	P2M	Port Moresby R, PNG	CW
	P2R	Rabaul R, PNG	CW
4247.5	PPL	Belem R, B	CW
4247.6	GZZ 2	RN London, G	FAX // 2813.6 kHz $
			CW
4248.0	DUW	Manila R, PHL	CW
4249.0	DSB	Pusan F R, KOR	CW
4250.0	ASK	Karachi R, PAK	CW
	LZW 2	Varna R, BUL	CW
	PCH 20	Scheveningen R, NLD	CW
	SUQ	Ismai'liya R, EGY	CW
	XFL	Mazatlan R, MEX	CW
	ZLP 2	RNZN Waiouru, NZL	CW
4251.0	PPJ	Juncao R, B	CW
	3VP 6	Sakhira R, TUN	CW
4251.5	GKC 2	Portishead R, G	CW

4252.0	DSQ	Inchon F R, KOR	CW
4253.0	TAH	Istanbul R, TUR	CW
	UDK 2	Murmansk R, RU, URS	CW
	UXN	Arkhangelsk R, RU, URS	CW
	XSZ	Dalian R, CHN	CW
4253.5	HZG	Dammam R, ARS	CW
4255.0	CFH	CF Halifax, NS, CAN	CW
	LST	YPF Buenos Aires R, ARG	CW
	SUZ 3	Serapeum R, EGY	CW
	UFH	**Petropavl.-K. R, FE, URS**	**0735 ry**
4255.3	PZN 25	Paramaribo R, SUR	CW
4255.6	VIR	Rockhampton R, QLD, AUS	CW
	VIT	Townsville R, QLD, AUS	CW
4256.0	CBV	DGTMMM Valparaiso R, CHL	CW
	DZY 7	Manila R, PHL	CW
	GKD 2	Portishead R, G	CW
	KLC	Galveston R, TX, USA	CW
	WLO	Mobile R, AL, USA	CW
4256.5	SXE	HCG Elevsis, GRC	CW
4257.5	WLO	Mobile R, AL, USA	CW
4259.0	HEB	Berne R, SUI	CW
	PWZ	BN Rio de Janeiro, B	CW
4260.0	DZB 7	Malabon R, PHL	CW
	OBF 4	Mollendo R, PRU	CW
	PW.	many BN stations, B	CW
	TBA 2	TN Ankara, TUR	CW
	UDK 2	Murmansk R, RU, URS	CW
	XSL 22	Fangcheng R, CHN	CW
	Y5M	Rügen R, DDR	CW
4261.0	EBA	SN Madrid, E	CW
	ZSC 45	Capetown R, AFS	CW
4262.0	DZW	Manila R, PHL	CW
	EQL	Anzali R, IRN	CW
	EQO	Nowshahr R, IRN	CW
	J2A 4	Jibuti R, DJI	CW
	LPD 62	General Pacheco R, ARG	CW
	LZL 2	Bourgas R, BUL	CW
	SAG 2	Goeteborg R, S	CW
	9GA	Takoradi R, GHA	CW
4263.2	ZLO 2	RNZN Waiouru, NZL	CW
4263.5	YKI	SCOTC Tartus R, SYR	CW
4265.0	CBV	DGTMMM Valparaiso R, GRC	CW
	DAM	Norddeich R/TS, D	CW
	PPL	Belem R, B	CW
	UBN	Zhdanov R, UK, URS	CW
	Y5M	Rügen R, DDR	CW
4266.0	XSR	Haikou R, CHN	CW
4267.0	TCR	TURBAN Istanbul R, TUR	CW
4267.9	GKG 2	Portishead R, G	CW
4268.0	CKN	CF Vancouver, BC, CAN	FAX $ CW
	DVY 2	Manila R, PHL	CW
	DZE	Mandaluyong R, PHL	CW
	LPD 68	General Pacheco R, ARG	CW
	VTG 4	IN Bombay, IND	CW
	WCC	Chatham R, MA, USA	CW
	XFC	Cozumel R, MEX	CW
	XFK	La Paz R, MEX	CW
	XFQ	Salina Cruz R, MEX	CW
4268.6	**SAB 23**	**Goeteborg R, S**	**SITOR-A: 24 h tts; QSX 4178.4 kHz** **SITOR-B: 0500+1700 Swedish nx**

4269.0	XSO 4	Zhoushan R, CHN	CW
4269.5	EDZ	Aranjuez R, E	CW
4270.0	DZD 3	Manila R, PHL	CW
	UBP	Provideniya R, FE, URS	CW
	UTN	Khabarovsk R, SE, URS	CW
4271.0	**CFH**	**CF Halifax, NS, CAN**	**75 Bd: 2200-1135 wx** FAX // 122.5 kHz $
	FUJ	FN Noumea, NCL	CW
	OFJ 4	Helsinki R, FNL	CW
	UBE 2	Petropavl.-Km. R, FE, URS	CW
	XFY	Guaymas R, MEX	CW
	XSG	Shanghai R, CHN	CW
	XSH 48	Dandong R, CHN	CW
4272.0	SPH 22	Gdynia R, POL	CW
4272.5	VIA	Adelaide R, SA, AUS	CW
	VID	Darwin R, NT, AUS	CW
4273.0	HLF	Soul R, KOR	CW
4274.0	DZF	Bacoor R, PHL	CW
	GKB 2	Portishead R, G	CW
	KFS	San Francisco R, CA, USA	CW
	WPD	Tampa R, FL, USA	CW
	XSU	Yantai R, CHN	CW
4275.0	HPP	Panama R, PNR	CW
	TBA 5	TN Ankara, TUR	CW
4276.0	JNA	JN Tokyo, J	CW
4277.0	DHJ 59	GN Wilhelmshaven, D	CW
	HKB	Barranquilla R, CLM	CW
	UJO 5	Izmail R, UK, URS	CW
	VRT	Hamilton R, BER	CW
	ZLB 2	Awarua R, NZL	CW
4278.0	DZP	Novaliches R, PHL	CW
	HZG	Dammam R, ARS	CW
	XSH	Basuo R, CHN	CW
4279.0	VWA 1	Ramnagar Port R, IND	CW
	VWA 2	Hugli Port R, IND	CW
	VWA 509	Haldia Port R, IND	CW
	'98 DDX'	**SN Madrid, E**	**100 Bd: 0441 msg**
4280.0	CWM ./..	many UN stations, URG	CW
	IDQ	IN Rome, I	CW
	PBC 34	**DN Goeree Island, NLD**	**75 Bd: 24 h ry**
	PPO	Olinda R, B	CW
	9VG 23	Singapore R, SNG	CW
4282.0	DVZ 6	Malabon R, PHL	CW
	LZL 2	Bourgas R, BUL	CW
4283.0	RTEU	Aleksandrov-S. R, FE, URS	CW
	S9M	Sao Tome R, STP	CW
	UKW 3	Korsakov R, FE, URS	CW
	UQK	Riga R, LA, URS	CW
	XSV	Tianjin R, CHN	CW
	ZSJ 2	SAN Capetown, AFS	CW
4284.0	A9M	Hamala R, BHR	CW
	DSD	Yosu F R, KOR	CW
4285.0	UAH	Tallinn R, ES, URS	CW
	UFL	Vladivostok R, SE, URS	CW
	VCS	CCG Halifax, NS, CAN	CW
	XFU	Veracruz R, MEX	CW
4286.0	CLY	Habana R, CUB	CW
	DZD	Antipolo R, PHL	CW
	GKA 2	Portishead R, G	CW
	VIX 2	RAN Canberra, ACT, AUS	CW
	VWC	Calcutta R/TS, IND	CW
4286.9	5RS	Toamasina R, MDG	CW

4287.0	FJY 4	Martin de Vivies R, AMS	CW
4288.0	DZZ	Manila R, PHL	CW
	XSQ	Guangzhou R, CHN	CW
	7TA 2	El Djaza'ir R, ALG	CW
4289.0	C9L 2	Maputo R, MOZ	CW
	C9L 6	Mocambique R, MOZ	CW
	PWZ	BN Rio de Janeiro, B	CW
	4XZ	IN Haifa, ISR	CW
4290.0	DZO	Bulacan R, PHL	CW
	TIM	Limon R, CTR	CW
	XSG 22	Shanghai R, CHN	CW
4290.5	OST 22	Oostende R, BEL	CW
4291.0	OBY 2	Paita R, PRU	CW
	ZSC 46	Capetown R, AFS	CW
4292.0	CUL 4	Lisbon R, POR	CW
	D4D	Praia R, Santiago, CPV	CW
	EQ.	many R stations, IRN	CW
	IAR 24	Rome R, I	CW
	XFA	Acapulco R, MEX	CW
	XFP	Chetumal R, MEX	CW
	XYR 6	Yangon R, MYA	CW
4292.5	OMP 2	Prague R, TCH	CW
4293.0	XSO	Wenzhou R, CHN	CW
4293.5	EQY	IOEPC Mahshahr R, IRN	CW
4294.0	SXA 34	GN Piraeus, GRC	CW
	WNU	Slidell R, LA, USA	CW
4295.0	HWN	FN Paris, F	CW
	PK.	many R stations, INS	CW
	UHK	Batumi R, GE, URS	CW
	XSJ	Zhanjiang R, CHN	CW
	6VA 3	Dakar R, SEN	CW
4296.0	DZK	Bulacan R, PHL	CW
	IQX	Trieste R, I	CW
4297.0	CWT	Puerto Montevideo R, URG	CW
	TIM	Limon R, CTR	CW
4298.0	DVM 2	Makati R, PHL	CW
	FJA 41	Papeete R, Tahiti, OCE	CW
	NOJ	USCG Kodiak, ALS	FAX $
	OST 2	Oostende R, BEL	CW
	PPO	Olinda R, B	CW
4299.0	9KK 2	Safat R, KWT	CW
4299.5	SAB 2	Goeteborg R, S	CW
4300.0	HML	Namp'o R, KRE	CW
4300.2	GYC 2	RN London, G	CW
4300.3	**GYA**	**RN London, G**	**75 Bd: 24 h test**
4301.0	CBV	DGTMMM Valparaiso R, CHL	CW
	VWM	Madras R, IND	CW
	ZPK	Asuncion R, PRG	CW
4302.0	A9M	Hamala R, BHR	CW
	ZA.	many R stations, ALB	CW
	'C'	Beacon Moscow, RU, URS	CW
4303.0	OXZ 2	Lyngby R, DNK	CW
4304.0	JFA	Matsudo F R, J	CW
	L2C	Buenos Aires R, ARG	CW
	L2Q	Mar del Plata R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
	'O'	Beacon Moscow, RU, URS	CW
4304.8	'L'	Beacon Leningrad, RU, URS	CW
4305.0	UIB 2	Magadan R, FE, URS	CW
	XSZ	Dalian R, CHN	CW
4305.5	JNA	JN Tokyo, J	CW
4306.0	SPE 21	Szczecin R, POL	CW

4307.0	C9C 3	MN Maputo, MOZ	CW
	PW.	many BN stations, B	CW
	UMV	Murmansk R, RU, URS	CW
	UON	Baku R, AZ, URS	CW
	ZPK	Asuncion R, PRG	CW
4307.5	XFB	Ciudad del Carmen R, MEX	CW
	XFE	Ensenada R, MEX	CW
4308.0	HLG	Soul R, KOR	CW
4308.5	DAN	Norddeich R, D	CW
4309.0	HZG	Dammam R, ARS	CW
4309.2	XSK 4	Haimen R, CHN	CW
4310.0	DYP	Cebu R, PHL	CW
	PWL	BN Corumba, B	CW
	WNU	Slidell R, LA, USA	CW
	XSI	Sanya R, CHN	CW
4311.0	PPL	Belem R, B	CW
4311.2	**'78 IJU'**	**SN Madrid, E**	**75 Bd: 0230 wx, 0549+0821+1122+1145 ry**
4312.0	PPJ	Juncao R, B	CW
4313.0	FUG	FN La Regine, F	CW
	Y5M	Rügen R, DDR	CW
	9VG 33	Singapore R, SNG	CW
4314.0	LZW 2	Varna R, BUL	CW
	XSM	Xiamen R, CHN	CW
4314.5	GKH 2	Portishead R, G	CW
4314.9	GKN 2	Portishead R, G	CW
4315.0	XVG 22	Hai Phong R, VTN	CW
4316.0	A7D	Doha R, QAT	CW
	DYV	Iloilo R, PHL	CW
	GKM 2	Portishead R, G	CW
	JJC	Tokyo R, J	FAX 120/288 or 120/576: 24 h J nx (text) or wx charts
	VWB	Bombay R, IND	CW
	WSC	Tuckerton R, NJ, USA	CW
4316.9	GKO 2	Portishead R, G	CW
4317.0	ZSC 33	Capetown R, AFS	CW
4317.5	GKI 2	Portishead R, G	CW
4318.0	DZU	Pasig R, PHL	CW
4319.0	OXZ 21	Lyngby R, DNK	CW
	SPH 23	Gdynia R, POL	CW
	XSG	Shanghai R, CHN	CW
4320.0	IAR 4	Rome R, I	CW
	UKA	**Vladivostok R, SE, URS**	**0929 R tts wtsca**
4321.0	PPL	Belem R, B	CW
4322.0	CBM	DGTMMM Magallanes R, CHL	CW
	PWZ	BN Rio de Janeiro, B	CW
	9VG 54	Singapore R, SNG	CW
4323.0	**UFH**	**Petropavlovsk-Kamchatskiy R, FE, URS**	**1210 R tts wtsca** CW
	VIC	Carnarvon R, WA, AUS	CW
4323.5	YQI 2	Constanta R, ROU	CW
4323.6	ELZ	Cape Palmas R, LBR	CW
	VIE	Esperance R, WA, AUS	CW
	VIO	Broome R, WA, AUS	CW
4324.0	DZH	Manila R, PHL	CW
	4XZ	IN Haifa, ISR	CW
4325.0	AQP 3	PN Karachi, PAK	CW
	FUB	**FN Paris, F**	**0750 clg 'BNAC', anns "hotel alfa 0800z"**
	HKC	Buenaventura R, CLM	CW
	LFW	Rogaland R, NOR	CW
	OBQ 5	Iquitos R, PRU	CW

4325.0	SUP	Port Said R, EGY	CW
4326.0	DYD 2	Cebu R, PHL	CW
	XSF	Lianyungang R, CHN	CW
4326.5	GKJ 2	Portishead R, G	CW
	JYO	Aqaba R, JOR	CW
4327.0	SVF 2	Athens R, GRC	CW
4328.0	CLS	Habana F R, CUB	CW
	DZM	Bulacan R, PHL	CW
	FFL 2	Saint Lys R, F	CW
	JOS	Nagasaki R, J	CW
	ZPK	Asuncion R, PRG	CW
4329.0	OMP 23	Prague R, TCH	CW
	PPO	Olinda R, B	CW
4330.0	DZJ	Bulacan R, PHL	CW
	UXN	Arkhangelsk R, RU, URS	CW
4331.0	HAR	Budapest R, HNG	CW
	SPE 22	Szczecin R, POL	CW
	WCC	Chatham R, MA, USA	CW
	XSA 2	Nanjing R, CHN	CW
4332.5	JCK	Kobe R, J	CW
4333.0	PPR	Rio de Janeiro R, B	CW
4334.0	DXD 9	Davao R, PHL	CW
	FUE	**FN Brest, F**	**75 Bd: 0757 clg FAAC**
	FUX	FN Le Port, REU	CW
	LSA 2	Boca R, ARG	CW
	PJC	Willemstad R, Curacao, ATN	CW
	VFR	CCG Resolute, NWT, CAN	CW
	XST	Qingdao R, CHN	CW
4335.0	PPJ	Juncao R, B	CW
	UDH	**Riga R, LA, URS**	**1953 R tts wtsca** CW
4336.0	DZI	Bacoor R, PHL	CW
	GKK 2	Portishead R, G	CW
		Prague Meteo, TCH	**0714-1652 wx**
4337.0	CBV	DGTMMM Valparaiso R, CHL	CW
	SPH 21	Gdynia R, POL	CW
	ZPK	Asuncion R, PRG	CW
	3CA 5	Malabo R, GNE	CW
	9MG 6	Georgetown R, Pin. I., MLA	CW
4338.0	DYM	Cebu R, PHL	CW
	XSW	Kaohsiung R, TAI	CW
4338.5	HPP	Panama R, PNR	CW
4340.0	XSQ	Guangzhou R, CHN	CW
	9GX	Tema R, GHA	CW
4341.0	PPR	Rio de Janeiro R, B	CW
4342.0	IRM	CIRM Rome, I	CW
	LZL 2	Bourgas R, BUL	CW
	XUK 4	Kompong Som Ville R, KMP	CW
4343.0	SVA 2	Athens R, GRC	CW
	TUA 3	Abidjan R, CTI	CW
	UMZ	Valentin R, SE, URS	CW
	WLO	**Mobile R, AL, USA**	**SITOR-B: H+35 tfc list, wx** CW
	XSD	Yingkou R, CHN	CW
	XSL	Fuzhou R, CHN	CW
	YJM 4	Port-Vila R, VUT	CW
4344.0	DUN	PN Manila, PHL	CW
4344.5	*GKS 2*	*Portishead R, G*	*scheduled*
	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	OMP 21	Prague R, TCH	CW
4345.0	FUO	FN Toulon, F	CW

4345.0	UFM 3	Nevelsk R, FE, URS	CW
4346.0	CWA	Cerrito R, URG	CW
	DZO 9	Manila R, PHL	CW
	NMC	USCG San Francisco, CA, USA	FAX $ CW
	XF. .	many PEMEX R stations, MEX	CW
	YUR 2	Rijeka R, YUG	CW
4347.5	5BA	Nicosia R, CYP	CW
4347.9	SUH 6	Alexandria R, EGY	CW
4348.0	DZN 4	Manila R, PHL	CW
4348.5	HSA 23	Bangkok R, THA	CW
	KLB	Seattle R, WA, USA	CW
4349.0	CBV	DGTMMM Valparaiso R, CHL	CW
	CLS	Habana F R, CUB	CW
	EAD	Aranjuez R, E	CW
	EQM	Bushire R, IRN	CW
	EQN	Khomeini R, IRN	CW
	EQQ	Khark R, IRN	CW
	JCS	Choshi R, J	CW
	S7Q	Victoria R, Mahe, SEY	CW
	UXN	Arkhangelsk R, RU, URS	CW
4350.0		**coast stations, series 1**	**QSX 4170.5 kHz**
	A9M	***Hamala R, BHR***	***scheduled***
	DCN	***Norddeich R, D***	***scheduled***
	IAR	***Rome R, I***	***scheduled***
	KFS	***San Francisco R, CA, USA***	***scheduled*** CW
	OCJ 2	CPV Callao R, PRU	CW
	S9M	***Sao Tome R, STP***	***scheduled***
	TBB 5	TN Ankara, TUR	CW
	UAH	**Tallinn R, ES, URS**	**SITOR-A: 0110+0552+1953 R tts wtsca** CW
	UHK	***Batumi R, GE, URS***	***scheduled***
	UMV	***Murmansk R, RU, URS***	***scheduled***
	9VG 74	**Singapore R, SNG**	**SITOR-A: 1727+1730+1807 tts** CW
4350.5		**coast stations, series 2**	**QSX 4171.0 kHz**
	CUL	***Lisbon R, POR***	***scheduled***
	GKE 2	**Portishead R, G**	**SITOR-A: 24 h tts** **SITOR-B: 1100+1700 tfc list** CW
	OXZ	***Lyngby R, DNK***	***scheduled***
	UFB	***Odessa R, UK, URS***	***scheduled***
	UFN	***Novorossiysk R, RU, URS***	***scheduled***
	UNM 2	***Klaipeda R, LI, URS***	***scheduled***
	WNU	***Slidell R, LA, USA***	***scheduled*** CW
	ZLW	***Wellington R, NZL***	***scheduled***
4351.0		**coast stations, series 3**	**QSX 4171.5 kHz**
	KFS	**San Francisco R, CA, USA**	**SITOR-A: 0508 tts** CW
	LGW 2	**Rogaland R, NOR**	**SITOR-A: 0237-1752 tts** **SITOR-B: 1900 N nx** CW
	ODR 9	Beirut R, LBN	CW
	OST 26	***Oostende R, BEL***	***scheduled***
	UBN	***Zhdanov R, UK, URS***	***scheduled*** CW
	UFL	***Vladivostok R, SE, URS***	***scheduled***
	URD	***Leningrad R, RU, URS***	***scheduled***
	XSV	***Tianjin R, CHN***	***scheduled***

4351.0	*Y5M*	*Rügen R, DDR*	*scheduled*
	ZSD 58	*Durban R, AFS*	*scheduled*
4351.5		coast stations, series 4	QSX 4172.0 kHz
	IAR	*Rome R, I*	*scheduled*
	NMN	*USCG Portsmouth, VA, USA*	*scheduled*
	NMO	*USCG Honolulu, HWA*	*scheduled*
	PCH 25	Scheveningen R, NLD	SITOR-A: 0036+0423-0922+1405-2208 tts CW
	UCO	*Yalta R, UK, URS*	*scheduled*
	UQB	*Kholmsk R, FE, URS*	*scheduled*
	UXN	*Arkhangelsk R, RU, URS*	*scheduled*
	3AC 14	*Monte Carlo R, MCO*	*scheduled*
4352.0		coast stations, series 5	QSX 4172.5 kHz
	A7D	*Doha R, QAT*	*scheduled*
	DCM	*Norddeich R, D*	*scheduled*
	FFT 21	Saint Lys R, F	SITOR-A: 0713+1528+1806 tts SITOR-B: 0200+0800+1300+2200 tfc list CW
	HZG	*Dammam R, ARS*	*scheduled*
	LZW	Varna R, BUL	CW
	UBE 2	*Petropavlovsk R, FE, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-B: H+35 tfc list, wx CW
	YVG	La Guayra R, VEN	CW
	5RS	*Toamasina R, MDG*	*scheduled*
4352.5		coast stations, series 6	QSX 4173.0 kHz
	HEC 14	Berne R, SUI	SITOR-A: 0619 tts CW
	LGW 3	Rogaland R, NOR	SITOR-A: 24 h tts SITOR-B: 0700+1500+1700+1900 N nx CW
	SVS 2	*Athens R, GRC*	*scheduled*
	UPB	*Provideniya R, FE, URS*	*scheduled*
	VIP 31	Perth R, WA, AUS	SITOR-A: 1732 tts CW
	WLO	*Mobile R, AL, USA*	*scheduled*
4353.0		coast stations, series 7	QSX 4173.5 kHz
	DCL	*Norddeich R, D*	*scheduled*
	UFM 3	*Nevelsk R, FE, URS*	*scheduled*
	VCS	*CCG Halifax, NS, CAN*	*scheduled*
	WAH	*Saint Thomas R, VIR*	*scheduled*
	XSG	*Shanghai R, CHN*	*scheduled*
	YUS	*Split R, YUG*	*scheduled*
	Y5M	Rügen R, DDR	SITOR-A: 0554+2008 tts CW
4353.5		coast stations, series 8	QSX 4174.0 kHz
	FFT 22	*Saint Lys R, F*	*scheduled*
	GKP 2	Portishead R, G	SITOR-A: 24 h tts CW
	HPP	*Panama R, PNR*	*scheduled*
	YUR	*Rijeka R, YUG*	*scheduled*
	ZSC 61	*Capetown R, AFS*	*scheduled* CW
4354.0		coast stations, series 9	QSX 4174.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled* CW
	PKX	*Jakarta R, INS*	*scheduled*
	SAB 209	Goeteborg R, S	SITOR-A: 1523-0918 tts CW

4354.0	*UJQ*	*Kiyev R, UK, URS*	*scheduled*
	VAI	*CCG Vancouver, BC, CAN*	*scheduled*
	YUR	*Rijeka R, YUG*	*scheduled*
4354.5		coast stations, series 10	QSX 4175.0 kHz
	IAR	*Rome R, I*	*scheduled*
	LGW 5	*Rogaland R, NOR*	*scheduled*
	TAH	*Istanbul R, TUR*	*scheduled*
	URB 2	*Klaipeda R, LI, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 0030 wx, 0109+1219 tts CW
	Y5M	*Rügen D, DDR*	*scheduled*
4355.0		coast stations, series 11	QSX 4175.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	PCH 26	Scheveningen R, NLD	SITOR-A: 24 h tts SITOR-B: 1700 tfc list, 1715 Dutch nx CW
	UFH	*Petropavlovsk R, FE, URS*	*scheduled*
	WLO	*Mobile R, AL, USA*	*scheduled*
	XSQ	*Guangzhou R, CHN*	*scheduled*
	YUW	*Bar R, YUG*	*scheduled*
4355.5		coast stations, series 12	QSX 4176.0 kHz
	HEC 24	Berne R, SUI	SITOR-A: 0435+0526+0712 tts CW
	HPP	*Panama R, PNR*	*scheduled*
	IDR 2	IN Rome, I	CW
	NMC	*USCG San Franc., CA, USA*	*scheduled*
	NMF	*USCG Boston, MA, USA*	*scheduled*
	NRV	*USCG Apra Harbour, GUM*	*scheduled*
	OST 27	*Oostende R, BEL*	*scheduled*
	OXZ	Lyngby R, DNK	SITOR-A: 24 h tts SITOR-B: 0030+0830+1630 Danish nx, 1730 tfc list CW
	UGH 2	*Juzno R, FE, URS*	*scheduled*
4356.0		coast stations, series 13	QSX 4176.5 kHz
	A7D	*Doha R, QAT*	*scheduled* CW
	DCF	*Norddeich R, D*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled* CW
	SVU 2	*Athens R, GRC*	*scheduled* CW
	UDK 2	*Murmansk R, RU, URS*	*scheduled*
	UKX	*Nakhodka R, SE, URS*	*scheduled*
	UQK	*Riga R, LA, URS*	*scheduled*
	WCC	*Chatham R, MA, USA*	*scheduled*
	3AC 24	*Monte Carlo R, MCO*	*scheduled*
	9MG 13	*Georgetown R, Pin. I., MLA*	*scheduled*
4356.5		coast stations, series 14	QSX 4177.0 kHz
	GKQ 2	Portishead R, G	SITOR-A: 0258+0556+0802 tts CW
	IAR	*Rome R, I*	*scheduled* CW
	KPH	*San Francisco R, CA, USA*	*scheduled*
	SAB 214	Goeteborg R, S	SITOR-A: 1948+2203 tts
	UDH	*Riga R, LA, URS*	*scheduled*
	VIS 61	Sydney R, NSW, AUS	SITOR-A: 1217 tts CW
	WCC	*Chatham R, MA, USA*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
	8Q2	*Male R, MLD*	*scheduled*

4357.0	***worldwide***	***coast stations DSC freq.***		
4357.4		coast stations, ch 401	SSB	QSX 4063.0 kHz
	CBM 9	ETAL Punta Arenas R, CHL		
	CBV 3	DGTMMM Hanga Roa R, PAQ		
	CB./.	many DGTMMM R stations, CHL		
	CLA 62	Habana R, CUB		
	CWF	Punta Carretas R, URG		
	DAP	Norddeich R, D		
	DZK 3	Manila R, PHL		
	HLS	Soul R, KOR		
	HPP 20	Panama R, PNR		
	HPQ 21	Panama Port R, PNR		
	HSA 8	Bangkok R, THA		
	KMI	Dixon R, CA, USA		
	LGN 2	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PKN	Balikpapan R, INS		
	PKP	Dumai R, INS		
	PNK	Jayapura R, INS		
	SAG	Goeteborg R, S		
	TAN	Izmir R, TUR		
	TAO	Trabzon R, TUR		
	UCZ	Provideniya R, FE, URS		
	UFA	Batumi R, GE, URS		
	UGE	Arkhangelsk R, RU, URS		
	UIK	Vladivostok R, SE, URS		
	UKB	Riga R, LA, URS		
	WAH	Saint Thomas R, VIR		
	YUS	Split R, YUG		
	ZPA	Asuncion R, PRG		
	ZSV 31	Walvis Bay R, NMB		
	5WA	Apia R, SMO		
	9PA	Banana R, ZAI		
4360.5		coast stations, ch 402	SSB	QSX 4066.1 kHz
	EQN	Khomeini R, IRN		
	GKT 22	Portishead R, G		
	IAR	Rome R, I		
	SPC 23	Gdynia R, POL		
	S3D	Chittagong R, BGD		
	UMN	Murmansk R, RU, URS		
	XSG	Shanghai R, CHN		
	ZAD	Durres R, ALB		
	5RO	Mahajanga R, MDG		
	9GA	Takoradi R, GHA		
		Antalaha R, MDG		
		Manakara Sud R, MDG		
4363.0	**'71 XBP'**	**SN Cartagena, E**	**75 Bd: 0151+2009 ry** CW	
4363.6		coast stations, ch 403	SSB	QSX 4069.2 kHz
	CFH	CF Halifax, NS, CAN		
	DYS 9	Cebu R, PHL		
	ETC	Assab R, ETH		
	LGN 3	Rogaland R, NOR		
	OBC 3	Callao R, PRU		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	VFA	CCG Inuvik, NWT, CAN		
	VFC	CCG Cambridge B., NWT, CAN		
	VFU 6	CCG Coppermine, NWT, CAN		
	WOM	Pennsuco R, FL, USA		
	XFA	Acapulco R, MEX		
	XFC	Cozumel R, MEX		

4363.6	XF. .	many PEMEX R stations, MEX		
	XVG 4	Hai Phong R, VTN		
	ZSQ 22	Port Elizabeth R, AFS		
	3AC 4	Monte Carlo R, MCO		
	5VA 8	Lome R, TGO		
4364.0	'RETJ'	SN Madrid, E	CW	
4365.0	RPJ 78	Tashkent Met., UZ, URS	FAX // 3690.0 kHz	*
4366.7		coast stations, ch 404	SSB	QSX 4072.3 kHz
	A4M	Muscat R, OMA		
	CB./..	many DGTMMM R stations, CHL		
	EQL	Anzali R, IRN		
	FFL 21	Saint Lys R, F		
	FJP 4	Noumea R, NCL		
	GYU	RN Gibraltar, GIB		
	KGN	Delcambre R, LA, USA		
	PP.	many R stations, B		
	SPO 22	Szczecin R, POL		
	S3D	Chittagong R, BGD		
	VI.	many R stations, AUS		
	XF./.	many PEMEX/R stations, MEX		
	XSQ	Guangzhou R, CHN		
	4PB	Colombo R, SLK		
	4XO	Haifa R, ISR		
	6VA	Dakar R, SEN		
		Abidjan F R, CTI		
4369.8		coast stations, ch 405	SSB	QSX 4075.4 kHz
	CBV 3	DGTMMM Hanga Roa R, PAQ		
	CB./..	many DGTMMM R stations, CHL		
	CW./..	many UN stations, URG		
	EQM	Bushire R, IRN		
	FFL 23	Saint Lys R, F		
	PCG 21	Scheveningen R, NLD		
	PP.	many R stations, B		
	UBJ	Baku R, AZ, URS		
	UDN	Novorossiysk R, RU, URS		
	UJB	Astrakhan' R, RU, URS		
	UNM 2	Klaipeda R, LI, URS		
	VIS	Sydney R, NSW, AUS		
	WLC	Rogers City R, MI, USA		
	WLO	Mobile R, AL, USA		
	XSG	Shanghai R, CHN		
	Y5M	Rügen R, DDR		
	ZSC 25	Capetown R, AFS		
	6YI	Kingston R, JMC		
	9VG 60	Singapore R, SNG		
4372.9		coast stations, ch 406	SSB	QSX 4078.5 kHz
	EHY	Pozuelo del Rey R, E		
	GKT 26	Portishead R, G		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	HZG	Dammam R, ARS		
	LPW 45	Bahia Blanca R, ARG		
	SPC 22	Gdynia R, POL		
	TFA	Reykjavik R, ISL		
	TFT	Hornafjoerdur R, ISL		
	XSV	Tianjin R, CHN		
	ZAV	Vlore R, ALB		
	3DP	Suva R, FJI		
	5BA 22	Nicosia R, CYP		
	5RD	Tolanaro R, MDG		
	5RN	Nosy Be R, MDG		
	5RS	Toamasina R, MDG		

4372.9		Morondava R, MDG		
4376.0		coast stations, ch 407	SSB	QSX 4081.6 kHz
	EHY	Pozuelo del Rey R, E		
	EQA	Abadan R, IRN		
	JBO	Tokyo R, J		
	LGN 4	Rogaland R, NOR		
	OB. .	many R stations, PRU		
	PCG 24	Scheveningen R, NLD		
	TAT	Canakkale R, TUR		
	V..	many CCG stations, CAN		
	Y5M	Rügen R, DDR		
	ZSD 37	Durban R, AFS		
	4PB	Colombo R, SLK		
	8PO	Bridgetown R, BRB		
	9VG 61	Singapore R, SNG		
4379.1		coast stations, ch 408	SSB	QSX 4084.7 kHz
	ELH	Harbel R, LBR		
	EQK	Khoramshahr R, IRN		
	HEB 14	Berne R, SUI		
	ICB	Genova R, I		
	KUQ	Pago Pago R, SMA		
	LPO 44	Puerto Deseado R, ARG		
	OSU 24	Oostende R, BEL		
	PJC	Willemstad R, Curacao, ATN		
	PKD	Surabaya R, INS		
	PKE	Amboina R, INS		
	P.. ...	many R stations, B		
	PZN	Paramaribo R, SUR		
	SPO 21	Szczecin R, POL		
	XFC	Cozumel R, MEX		
	XFL	Mazatlan R, MEX		
	XF. .	many PEMEX R stations, MEX		
	YUR	Rijeka R, YUG		
	ZLW	Wellington R, NZL		
	ZXA 4	Tedut R, B		
	ZXF 3	Bavit R, B		
	ZZQ 8	Denor R, B		
	8Q2	Male R, MLD		
4382.2		coast stations, ch 409	SSB	QSX 4087.8 kHz
	A7D	Doha R, QAT		
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	DZI	Bacoor R, PHL		
	DZO	Bulacan R, PHL		
	HZG	Dammam R, ARS		
	ICB	Genova R, I		
	LGN 5	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PP.	many R stations, B		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	SAG	Goeteborg R, S		
	TAL	Antalya R, TUR		
	WAH	Saint Thomas R, VIR		
	WBL	Buffalo R, NY, USA		
	WLC	Rogers City R, MI, USA		
	WMI	Lorain R, OH, USA		
	XSU	Yantai R, CHN		
	9GX	Tema R, GHA		
	9PA	Banana R, ZAI		
4385.3		coast stations, ch 410	SSB	QSX 4090.9 kHz
	EQQ	Khark R, IRN		

4385.3	GKT 20	Portishead R, G		
	HAR	Budapest R, HNG		
	LPC 27	Ushuaia R, ARG		
	PCG 23	Scheveningen R, NLD		
	S7Q	Victoria R, Mahe, SEY		
	VAI	CCG Vancouver, BC, CAN		
	VRT	Hamilton R, BER		
	WOO	Ocean Gate R, NJ, USA		
	XSQ	Guangzhou R, CHN		
	YJM	Port-Vila R, Efate I., VUT		
	Y5M	Rügen R, DDR		
	4XO	Haifa R, ISR		
	7TA 13	El Djaza'ir R, ALG		
	9HD	Valetta R, MLT		
4388.4		coast stations, ch 411	SSB	QSX 4094.0 kHz
	EHY	Pozuelo del Rey R, E		
	EQO	Nowshahr R, IRN		
	FJY 4	Martin de Vivies R, AMS		
	HCG	Guayaquil R, EQA		
	LPM 51	Mar del Plata R, ARG		
	OSU 21	Oostende R, BEL		
	PKA	Sabang R, INS		
	PKG	Banjarmasin R, INS		
	S3D	Chittagong R, BGD		
	TAR	Zonguldak R, TUR		
	T3C	Takaronga R, T. Atoll, KIR		
	VPS	Victoria Island R, HKG		
	WOO	Ocean Gate R, NJ, USA		
	4PB	Colombo R, SLK		
		Funafuti Island R, TUV		
4390.0	FUO	FN Toulon, F	CW	
4391.5		coast stations, ch 412	SSB	QSX 4097.1 kHz
	DAK	Norddeich R, D		
	DYV	Iloilo R, PHL		
	OBG 3	Pisco R, PRU		
	OBQ 5	Iquitos R, PRU		
	OBT 2	Talara R, PRU		
	UFH	Petropavl.-Km. R, FE, URS		
	UGH 2	Juzno R, FE, URS		
	WOM	Pennsuco R, FL, USA		
	YKM 7	Al Ladhiqiyah R, SYR		
	7OA	Aden R, YMS		
4394.6		coast stations, ch 413	SSB	QSX 4100.2 kHz
	A9M	Hamala R, BHR		
	CUL	Lisbon R, POR		
	DAH	Norddeich R, D		
	D3E	Luanda R, AGL		
	D4A	Mindelo R, S. Vicente, CPV		
	J5M	Bissau R, GNB		
	LPL 33	General Pacheco R, ARG		
	OHG 2	Helsinki R, FNL		
	PKT	Dili R, INS		
	SVN 2	Athens R, GRC		
	S3E	Khulna R, BGD		
	UDC	Zhdanov R, UK, URS		
	UJO 3	Izmail R, UK, URS		
	UKQ 2	Nakhodka R, SE, URS		
	XFE	Ensenada R, MEX		
	XFF 3	PEMEX Minatitlan R, MEX		
	XFK 2	PEMEX La Paz R, MEX		
	XFP	Chetumal R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		

4394.6	XFU	Veracruz R, MEX		
	XVR 4	Vung Tau R, VTN		
	3AC 5	Monte Carlo R, MCO		
	7TA 14	El Djaza'ir R, ALG		
4397.7		coast stations, ch 414	SSB	QSX 4103.3 kHz
	DAJ	Norddeich R, D		
	OB. .	many R stations, PRU		
	PKC	Palembang R, INS		
	PKF	Ujung Pandang R, INS		
	TFA	Reykjavik R, ISL		
	TFX	Siglufjoerdur R, ISL		
	URD	Leningrad R, RU, URS		
	WLO	Mobile R, AL, USA		
	ZHH	Jamestown R, SHN		
	5BA 24	Nicosia R, CYP		
	5ZF	Mombasa R, KEN		
4400.8		coast stations, ch 415	SSB	QSX 4106.4 kHz
	ASK	Karachi R, PAK		
	FUB	FN Paris, F		
	LGN 6	Rogaland R, NOR		
	LPG 44	Rio Gallegos R, ARG		
	OXZ	Lyngby R, DNK		
	SVN 2	Athens R, GRC		
	VIB	Brisbane R, QLD, AUS		
	VID	Darwin R, NT, AUS		
	VIP	Perth R, WA, AUS		
	V8L 2	SHELL Bdr. Seri B. R, BRU		
	XSV	Tianjin R, CHN		
	XVR 4	Vung Tau R, VTN		
	5RL	Antseranana R, MDG		
	9MG 8	Georgetown R, Pin. I., MLA		
		Maintirano R, MDG		
		Mananjary R, MDG		
4403.9		coast stations, ch 416	SSB	QSX 4109.5 kHz
	EQI	Abbas R, IRN		
	FFL 22	Saint Lys R, F		
	FJA	Papeete R, Tahiti, OCE		
	HAR	Budapest R, HNG		
	KMI	Dixon R, CA, USA		
	OBB 4	Ilo R, PRU		
	OBY 2	Paita R, PRU		
	OBZ 3	Chimbote R, PRU		
	PP.	many R stations, B		
	S3D	Chittagong R, BGD		
	S3E	Khulna R, BGD		
	S9M	Sao Tome R, STP		
	TFA	Reykjavik R, ISL		
	TFX	Siglufjoerdur R, ISL		
	WOO	Ocean Gate R, NJ, USA		
	3BB	Port Louis Harbour R, MAU		
	6YI	Kingston R, JMC		
4407.0		coast stations, ch 417	SSB	QSX 4112.6 kHz
	KMI	Dixon R, CA, USA		
	OHG 2	Helsinki R, FNL		
	OMC	Bratislava R, TCH		
	OMK	Komarno R, TCH		
	OML	Decin R, TCH		
	OSU 27	Oostende R, BEL		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	TAH	Istanbul R, TUR		
	UFM 3	Nevelsk R, FE, URS		

4407.0	VIM	Melbourne R, VIC, AUS		
	VIS	Sydney R, NSW, AUS		
	VPS	Victoria Island R, HKG		
	WOM	Pennsuco R, FL, USA		
	YUW	Bar R, YUG		
	9MG 8	Georgetown R, Pin. I., MLA		
4410.1		coast stations, ch 418	SSB	QSX 4115.7 kHz
	CFW	Vancouver R, BC, CAN		
	CLA 60	Habana R, CUB		
	DZJ	Bulacan R, PHL		
	DZZ	Manila R, PHL		
	D4A	Mindelo R, S. Vicente, CPV		
	D4D	Praia R, Santiago, CPV		
	JBO	Tokyo R, J		
	J2A	Jibuti R, DJI		
	LGN 7	Rogaland R, NOR		
	LPM 44	Mar del Plata R, ARG		
	OXZ	Lyngby R, DNK		
	PK. .	many R stations, INS		
	P.. ...	many R stations, B		
	SAG	Goeteborg R, S		
	SUH	Alexandria R, EGY		
	VCS	CCG Halifax, NS, CAN		
	WBL	Buffalo R, NY, USA		
	WGK	St. Louis R, MO, USA		
	WLC	Rogers City R, MI, USA		
	WMI	Lorain R, OH, USA		
	Z.. .	many R stations, B		
	4XO	Haifa R, ISR		
4413.2		coast stations, ch 419	SSB	QSX 4118.8 kHz
	ASK	Karachi R, PAK		
	CBV 3	DGTMMM Hanga Roa R, PAQ		
	CB./..	many DGTMMM R stations, CHL		
	DZS 4	Manila R, PHL		
	FFL 24	Saint Lys R, F		
	FUB	FN Paris, F		
	HLS	Soul R, KOR		
	OMP	Prague R, TCH		
	PCG 22	Scheveningen R, NLD		
	PP.	many R stations, B		
	TFA	Reykjavik R, ISL		
	TUA	Abidjan R, CTI		
	UDK	Murmansk R, RU, URS		
	VIA	Adelaide R, SA, AUS		
	VID	Darwin R, NT, AUS		
	VIT	Townsville R, QLD, AUS		
	WLO	Mobile R, AL, USA		
	YUR	Rijeka R, YUG		
	Y5M	Rügen R, DDR		
	5AT	Tripoli R, LBY		
	9KK 3	Safat R, KWT		
4416.3		coast stations, ch 420	SSB	QSX 4121.9 kHz
	EQR	Lavan R, IRN		
	IAR	Rome R, I		
	JYO	Aqaba R, JOR		
	LGN 8	Rogaland R, NOR		
	LZW	Varna R, BUL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	TAF	Samsun R, TUR		
	TAI	Iskenderun R, TUR		
	YVG	La Guayra R, VEN		

4416.3	9MG 21	Georgetown R, Pin. I., MLA		
4419.4		coast stations, ch 421 *(worldwide calling frequency)*	SSB	QSX 4125.0 kHz
4422.5		coast stations, ch 422	SSB	QSX 4128.1 kHz
	CKN	CF Vancouver, BC, CAN		
	COB 32	Flota del Golfo F R, CUB		
	COB 41	Cienfuegos F R, CUB		
	HAR	Budapest R, HNG		
	HEB 34	Berne R, SUI		
	OSU 22	Oostende R, BEL		
	PKO	Tarakan R, INS		
	PKR	Semarang R, INS		
	PKY 4	Sorong R, INS		
	URB 2	Klaipeda R, LI, URS		
	WOO	Ocean Gate R, NJ, USA		
	XSG	Shanghai R, CHN		
	ZMH ..	many Harbour R stns., NZL		
	5AB	Benghazi R, LBY		
4425.6		coast stations, ch 423	SSB	QSX 4131.2 kHz
	ASK	Karachi R, PAK		
	A7D	Doha R, QAT		
	DAI	Norddeich R, D		
	IAR	Rome R, I		
	PK. ..	many R stations, INS		
	PPF	Fortaleza R, B		
	SPC 21	Gdynia R, POL		
	WOM	Pennsuco R, FL, USA		
	XSQ	Guangzhou R, CHN		
	4XO	Haifa R, ISR		
	5OW	Lagos R, NIG		
4428.7		coast stations, ch 424	SSB	QSX 4134.3 kHz
	DZV 7	Navotas R, PHL		
	EQZ	IORC Abadan R, IRN		
	HEB 24	Berne R, SUI		
	HPP 20	Panama R, PNR		
	LGN 9	Rogaland R, NOR		
	LPB 5	Corrientes R, ARG		
	N..	many USCG stations		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	SVN 2	Athens R, GRC		
	VI.	many R stations, AUS		
	XSV	Tianjin R, CHN		
	7TA 15	El Djaza'ir R, ALG		
4431.8		coast stations, ch 425	SSB	QSX 4137.4 kHz
	CB./..	many DGTMMM R stations, CHL		
	HAR	Budapest R, HNG		
	JBO	Tokyo R, J		
	JYO	Aqaba R, JOR		
	LGN 20	Rogaland R, NOR		
	OSU 23	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	PY. 2.	many Iate Clube R stns., B		
	SVN 2	Athens R, GRC		
	S9M	Sao Tome R, STP		
	5AT	Tripoli R, LBY		
	9KK 32	Safat R, KWT		
	9MG 21	Georgetown R, Pin. I., MLA		
4434.9		coast stations, ch 426	SSB	QSX 4140.5 kHz
	CUB	Funchal R, MDR		
	CUG	Ponta Delgada R, AZR		
	GKV 26	Portishead R, G		

4434.9	JBO	Tokyo R, J	
	J5M	Bissau R, GNB	
	LGN 21	Rogaland R, NOR	
	LPZ 28	Trelew R, ARG	
	ODR 5	Beirut R, LBN	
	OXZ	Lyngby R, DNK	
	5BA 26	Nicosia R, CYP	
	7TA 16	El Djaza'ir R, ALG	
	8Q2	Male R, MLD	
4438.0 - 4650.0		**Regions 1 + 2 = FIXED + MOBILE except aeronautical mobile (R** **Region 3 = FIXED + MOBILE except aeronautical mobile**	
4442.5	**RGC 72**	**Kiyev Meteo, UK, URS**	**24 h ry or wx**
4445.0	NPO	USN Subic Bay, PHL	CW
	ROF 73	Novosib. Met., SW, URS	FAX $
4447.5	'U'	Beacon Murmansk, RU, URS	CW
4455.0	**FUB**	**FN Paris, F**	**1950 ry**
	FUE	**FN Brest, F**	**75 Bd: 0756 clg FAAC**
	RDM 73	**Tbilisi Meteo, GE, URS**	**0025-0658+1341 wx**
4462.5	*WLO*	*Mobile R, AL, USA*	*scheduled*
4465.0		RFE Holzkirchen feeder, D	ISB
4472.5	**BZC 75**	**Urumqi Meteo, CHN**	**1600 wx**
4474.0	ZEK 7	REUTER Victoria Island, HKG	FAX 60/288 LSB ISD: 0445-1145+2300 pix
			CW
4475.0	O.. .	many PELPER/R stns., PRU	SSB
		Novosib. Met., SW, URS	FAX // 3635.0 kHz $
4476.0	'P'	Beacon Kaliningrad, RU, URS	CW
4480.0	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW
4480.7		**UNID oil rigg (289)**	**2153 msg (crew list) with A names printing "1" instead of "i" (e.g. "al1", "radlo") (i.e. trained by Americans), 2200 blocked**
4482.0	**BJZ 25**	**Wuhan Meteo, CHN**	**1220+1235+1428+1802-2215 ry or wx**
	'DFZG'	**MFA Belgrade, YUG**	**75 Bd: 0400 ry**
4487.5	**TNL**	**ASECNA Brazzaville, COG**	**ARQ-M2 96 Bd: A: 0000 msgs (FOA)** **B: 1943 msgs**
4489.0	**GFL 26**	**Bracknell Meteo, G**	**24 h ry or wx**
4497.0	**SOE 349**	**Warsaw Meteo, POL**	**24 h ry or wx**
4498.5	**'RFFH'**	**FF Marseille, F**	**ARQ-E 72 Bd: 2116 msg to 'RFFX' (ILD)**
4500.0	OMZ	MFA Prague, TCH	CW
4512.5	**ETD 3**	**Addis Ababa Air, ETH**	**1332 msg, 1836 ry, 2324 msg**
4515.0	**RAB 44**	**Tashkent, UZ, URS**	**0530 s. on with R msg wtsca to ROV 2** CW
4515.5	**OVK**	**DM Aarhus, DNK**	**75 Bd: 0640 ry**
4516.7	RXB 72	Khab. Meteo, SE, URS	FAX $
4518.0	FDY	FAF Orleans, F	CW
4519.0	*OFA*	*Helsinki R, FNL*	*scheduled; QSX 4175.0 kHz*
4525.0	RPN 75	Kiyev Meteo, UK, URS	FAX 90/576: 0130+0430+1930 chart Ukrainia
	Y3S	Nauen TS, DDR	CW
4526.0	SUU	Cairo Meteo, EGY	FAX $
4530.0	RGJ 62	Kuybishev M., SW, URS	FAX // 3710.0 kHz
4535.0	**TZH**	**ASECNA Bamako, MLI**	**ARQ-M2 96 Bd: A: 1816 msg** **B: 1820 "ch" (BVA)**

4540.0	*WLO*	*Mobile R, AL, USA*	*scheduled*
4549.5	**LRO 9**	**DyN Buenos Aires, ARG**	**75 Bd: 2200-0400 S nx**
4550.0	OMD	Prague, TCH	CW
	RWW 79	Moscow Meteo, RU, URS	FAX 120/576: 0255 ASXX RUMS Eurasia, 1930 chart
4560.0	**RKR 74**	**Irkutsk Meteo, SE, URS**	**0910+2020-0111 wx**
4560.7	**YMB 20**	**Bandirma Meteo, TUR**	**1000+1546-0528 ry or wx**
4562.5	JWT	NN Stavanger, NOR	CW
4562.6	FDG 21	FAF Cognac, F	CW
4563.0	**YBL**	**Padang, INS**	**1729 ry**
4565.0		RFE Holzkirchen feeder, D	ISB
4570.0	**HZN 46**	**Jeddah Meteo, ARS**	**100 Bd: 0042+0412+1743+1952 wx**
4570.5	DHJ 51	Grengel Meteo, D	FAX // 2342.5 kHz $
4575.0		Kuybishev M., RU, URS	FAX // 2720.0 kHz
4581.5	ONY 27	NATO Mons, BEL	CW
4583.0	**DDK 2**	**Hamburg Meteo, D**	**24 h ry or wx**
4590.0	FUJ	FN Noumea, NCL	CW
4598.0	FDC 9	FAF Nancy, F	CW
4600.0	**SNN 299**	**MFA Warsaw, POL**	**75 Bd: 0647 ry**
		Yugosl. E Brussels, BEL	**75 Bd: 0815 msgs (5fgs)**
4605.0	**OST**	**Oostende R, BEL**	**SITOR-A: 24 h tts; QSX 4179.0 kHz**
			CW
	'P'	Beacon Kaliningrad, RU, URS	CW
4607.0	**'78 YLQ'**	**SN Tarifa, E**	**75 Bd: 1930-0432 ry or msgs (wx) or encrypted tfc**
			CW
4610.0	GFA 22	Bracknell Meteo, G	FAX // 3289.5 kHz $
	SXH	GN Khania, GRC	CW
4614.5	FDC	FAF Metz, F	CW
4615.3	IDR 2	IN Rome, I	CW
4618.0	'P'	Beacon Kaliningrad, RU, URS	CW
4623.0	NGR	USN Kato Soli, GRC	CW
4632.0	**XTU**	**ASECNA Ouagadougou, BFA**	**ARQ-M2 96 Bd: B: 2145 msg (VBA)**
4632.5	**FSB 53**	**INTERPOL Paris, F**	**SITOR-A: 24 h tfc**
			CW
4635.0	VJC	RFDS Broken Hill, NSW, AUS	SSB
4643.0	**FUB**	**FN Paris, F**	**75 Bd: 1847 encrypted tfc**
4646.0	**HMA**	**Pyongyang Meteo, KRE**	**0025 ry, wx**
4648.0	'AU26'	GA Oggelshausen, D	CW

4650.0 - 4700.0 AERONAUTICAL MOBILE (R)

4651.0	AMS = 1D 6C 6G 10B 10E 13E 13F	SSB
4654.0	AMS = W I/II	SSB
4657.0	AMS = AFI CEP, 2A 2C 3B 6A 6E 13H	SSB
4660.0	AMS = 2B 2C 9B 10C 13D 13M	SSB
4663.0	AMS = 6G 10F 13E 13F 13K, VNCA	SSB
4666.0	AMS = CWP, 1C 10B 10D 10E	SSB
4669.0	AMS = MID SAM, 6G 10C 10D	SSB
4672.0	AMS = 2A 2B 3A 4A 6G 11B 13K	SSB
4675.0	AMS = NAT, 6A 6E 9C 13G	SSB
4678.0	AMS = NCA, 10D 13I 14A 14G	SSB
4681.0	AMS = 2B 2C 3B 10B 12E	SSB
4684.0	AMS = 3A 3C 10E 13J 14B 14C	SSB
4687.0	AMS = W I/II/III	SSB
4690.0	AMS = 2A 2B 3A 6G 10B 13M	SSB

4693.0		AMS = 2B 2C 3 10B 12C 13I 14D	SSB
4696.0		AMS = 2 6G 9 10 13J	SSB

4700.0 - 4750.0 AERONAUTICAL MOBILE (OR)

4704.0	AOK	USN Rota, E	FAX $
4722.0	MVU	RAF London, G	SSB
4730.0	GFW	RAF Akrotiri, CYP	SSB
	MKL	RAF Edinburgh, G	SSB
4732.0	**XTU**	**ASECNA Ouagadougou, BFA**	**2153 ry**
4742.0	MQP	RAF Upavon, G	SSB
4746.0	AFE	USAF McD. AFB, T., FL, USA	SSB
	CUW	PAF/USAF Lajes AFB, AZR	SSB

4750.0 - 4850.0 Region 1 = AERONAUTICAL MOBILE (OR) + BROADCASTING + FIXED + LAND MOBILE

Region 2 = BROADCASTING + FIXED + MOBILE except aeronautical mobile (R)

Region 3 = BROADCASTING + FIXED + Land Mobile

4753.5	FDE	FAF Villacoublay, F	CW
4764.3	**CCS**	**CN Santiago, CHL**	**0257 msg; 0420 msg (5lgs)** **100 Bd: 0143 msg** CW
4766.0	CCS	CN Santiago, CHL	FAX $
4767.0	'P'	Beacon Kaliningrad, RU, URS	CW
4767.3		R Moscow feeder, RU, URS	SSB
4774.5	'U'	Beacon Murmansk, RU, URS	CW
4776.7	**'RETS'**	**Sevilla Police, E**	**SITOR-A: 1835 msg to Madrid**
4777.5	IMB 51	Rome Meteo, I	FAX $
4782.0	GFE 21	Bracknell Meteo, G	FAX // 2618.5 kHz $
4785.5	**DHJ 51**	**Grengel Meteo, D**	**100 Bd: 24 h ry or wx**
4787.0	**TJK**	**ASECNA Douala, CME**	**ARQ-M2 96 Bd: A: 2220 msgs** **B: 2223 wx with WMO headings**
4793.0	**OUJ 22**	**DA Aarhus, DNK**	**0730 ry**
4794.0	**BLM 66**	**Chengdu Meteo, CHN**	**1832-2220 wx**
4805.0	FDI	FAF Aix, F	CW
	FDY	FAF Orleans, F	CW
4809.0	'P'	Beacon Kaliningrad, RU, URS	CW
4813.0	**LZA 8**	**Sofia Meteo, BUL**	**24 h ry or wx**
4814.0	ONY 22	NATO Rheindahlen, D	SSB
4837.5	**FSB**	**INTERPOL Paris, F**	**SITOR-A: 0630-2255 tfc + msgs** CW
4840.0	**Y7A 24**	**MFA Berlin, DDR**	**100 Bd: 0522-1550 ry or tfc** CW
4842.0	'P'	Beacon Kaliningrad, RU, URS	CW

4850.0 - 4995.0 BROADCASTING + FIXED + LAND MOBILE

4850.0	RKS 71	Murmansk Meteo, RU, URS	CW
4852.2		**IA Tirano, I**	**1753 msgs**
4855.0	NPM	USN Pearl Harbour, HWA	FAX // 2122.0 kHz $
4856.0	LOL	AN Buenos Aires TS, ARG	CW
4863.5	**KRH 51**	**USE London, G**	**75 Bd: 24 h foxes**
4864.5	FDI	FAF Aix, F	CW
4867.5	FDY	FAF Orleans, F	CW
4868.0		ENPA Valencia R, E	SSB
4886.0	KKN 44	USE Monrovia, LBR	CW

4897.0	FAD 20	FA Paris-les-Loges, F	CW
4900.0	RUU 78	Leningrad Meteo, RU, URS	0602-1625 ry or wx
4902.0	JMB 40	Tokyo Meteo, J	FAX 120/576: 1931 E/J nx (text)
4903.0	DHM 44	Grengel Meteo, D	100 Bd: 0428+0728+1122 wx
4906.0	FDY	FAF Orleans, F	CW
4910.0	KWS 78	USE Athens, GRC	CW
	RGO 75	Khabarovsk Met., SE, URS	0026-0909+1932 wx
4914.5	FDG 2	FAF Mont-de-Marsan, F	CW
4916.0		München, D	VFT: ARQ-E 96 Bd: 0800 msg to Regensburg (REVBY)
		Regensburg, D	VFT: ARQ-E 96 Bd: 0801 msg to München (BYVRE)
4919.9		München, D	ARQ-E 96 Bd: 1345 tfc
4923.0	GXQ	BA London, G	VFT: 0048+0507+2145+2229 ryi COMB
4956.5	KKN 39	Miami, FL, USA	CW
4963.0	NDT	USN Yokosuka, J	FAX // 7894.0 kHz $
4963.5	DHN 37	Grengel Meteo, D	100 Bd: 0625-1900 ry or wx
4967.0	NDT	USN Yokosuka, J	FAX // 7894.0 kHz $
4980.0	VJJ	RFDS Charleville, QLD, AUS	SSB
4985.7	YPO	Giurgiu, ROU	CW
4986.0	FLR 20	FA Paris, F	CW
4988.5	FDC	FAF Metz, F	CW
4993.5	ATA 55	Delhi Meteo, IND	FAX $

4995.0 - 5003.0 STANDARD FREQUENCY AND TIME SIGNAL

4996.0	RWM	Moscow TS, RU, URS	CW
5000.0	ATA	Delhi TS, IND	SSB
	BPM	Xi'an TS, CHN	CW/SSB
	BSF	Taipei TS, TAI	CW/SSB
	HD 210A	Guayaquil TS, EQA	CW/SSB
	HLA	Taejon TS, KOR	COMB
	IAM	Rome TS, I	SSB
	IBF	Torino TS, I	SSB
	JJY	Tokyo TS, J	COMB
	LOL 1	AN Buenos Aires TS, ARG	CW/SSB
	RCH	Tashkent TS, UZ, URS	CW
	WWV	Fort Collins TS, CO, USA	COMB
	WWVH	Kihei TS, Maui Island, HWA	COMB
	ZUO	Pretoria TS, AFS	SSB

5003.0 - 5005.0 STANDARD FREQUENCY AND TIME SIGNAL + Space Research

5004.0	RID	Irkutsk TS, SE, URS	CW

5005.0 - 5060.0 BROADCASTING + FIXED < 503 >

5008.0	EHG 8	Gda. Civil Pamplona, E	SITOR-A: 1905 msgs
5010.0	VJQ	RFDS Kalgoorlie, WA, AUS	SSB
5020.0	RWW 74	Moscow Meteo, RU, URS	24 h ry or wx
5022.0	DHL 28	LKA Bremen, D	ARQ-E 72 Bd: 0759+0941+1335+1440 encrypted tfc or msgs
5023.0	9KT 24	KUNA Safat, KWT	0800-2000 E nx
5024.5	DHL 26	LKA Stuttgart, D	ARQ-E 96 Bd: 1448 encrypted msg
5025.0	FDY	FAF Orleans, F	CW
	MKD	RAF Akrotiri, CYP	VFT: 1912-0700 ryi COMB

5027.0	9KT 24	KUNA Safat, KWT	0700-2100 A nx
5027.5		Pangkalanbuun, INS	SSB
5033.0	FIS 291	CRS Evry, F	CW
5036.5	FDC 21	FAF Drachenbronn, F	CW
5045.0	VJT	RFDS Carnarvon, WA, AUS	SSB
5049.3		Viseu, POR	SITOR-A: 1709 msg + tfc to Porto
5050.0	OMZ	MFA Prague, TCH	75 Bd: 0703+0730+1500 ry
5055.0	JYF 6	PETRA Amman, JOR	1400+1500 A nx, 1700-1900 E nx

5060.0 - 5250.0 FIXED + Mobile except aeronautical mobile < 521 >

5061.5	'RFFH'	FF Marseille, F	ARQ-E 72 Bd: 0848 encrypted tfc + msg after "KKKK..." to 'RFFX', 1700 msg to 'RFFX' (IMK)
5064.0	9MB	MN Georgetown, Pin. I., MLA	CW
5072.5	'RFFEC'	FF Bordeaux, F	ARQ-E 96 Bd: 1827 msg to 'RFFC' (IBA)
5075.0	IUV 31	Rome Police, I	CW
5082.8	'RIFAGD'	IA Vallel. Pratameno, I	1835 msgs to 'RIFAG'
5085.0	5IP	Dar es Salaam, TZA	SSB
	5IP 23	Bukoba, TZA	SSB
5086.8		IA Treviso, I	1728 msg, s. off
5087.5	FDY	FAF Orleans, F	CW
5089.0		IA Treviso, I	SSB
5092.5	LZJ 2	Sofia Meteo, BUL	FAX $
5097.0	CFH	CF Halifax, NS, CAN	CW
5097.5	JAB 35	KYODO Tokyo, J	0720-0820+0830-0950+1000-1100 E nx
5100.0	AXM 32	Canberra M., ACT, AUS	FAX // 2628.0 kHz $
5102.0	GXQ	BA London, G	VFT: ARQ-M2 96 Bd: A: 0108 wx, 0850 encrypted tfc COMB
	RDE 72	Kuybishev M., RU, URS	FAX // 2720.0 kHz
5102.5	JMG 2	Tokyo Meteo, J	0148+1936 wx
5104.0	FIT 75	MOI Paris, F	ARQ-E3 100 Bd: 0930+1836+1915 tfc
5107.0	EPD	Tehran Air, IRN	1556-0445 ry or msgs (TKA)
5110.0	FDY	FAF Orleans, F	CW
	RYP 29	Khab. Meteo, SE, URS	FAX // 3250.0 kHz
	VJI	RFDS Mount Isa, QLD, AUS	SSB
5112.0	4OC 3	TANJUG Belgrade, YUG	75 Bd: 0200+0700-1900 SC nx
5115.0	'VCCC'	Colombo Air, SLK	2035+2225 ry
5117.0	STK	Khartoum Air, SDN	1721-0333 ry or msgs (STA)
	3MA 29	CNA Taipei, TAI	FAX 60/288 LSB ISD: 0201-1126 C nx (text)
5120.0	FDY	FAF Orleans, F	CW
	MKD	RAF Akrotiri, CYP	VFT: 0203+2156 ryi COMB
5125.0		RFE Holzkirchen feeder, D	ISB
5130.0	VJC	RFDS Broken Hill, NSW, AUS	SSB
5140.0	RWW 73	Moscow Meteo, RU, URS	24 h ry or wx
5145.0	VJN	RFDS Cairns, QLD, AUS	SSB
	VNZ	RFDS Port Augusta, SA, AUS	SSB
5150.0	RVO 73	Moscow Meteo, RU, URS	FAX // 53.6 kHz $
5160.0	CLN 21	PTT Habana, CUB	ARQ-M2 96 Bd: A: 0223+0407 to Miami (CUN) B: 0200 to Miami
	IER 20	IFG Rome, I	0613-2307 ry or tfc + msgs
5167.0	NRK	USN Keflavik, ISL	CW
5175.0		Muqdisho, SOM	SSB

5176.5	8HF ..	Bandung, INS	SSB
5180.5	BAA 9	Beijing Meteo, CHN	1427-2305 ry or wx
5182.0	‘P’	Beacon Kaliningrad, RU, URS	CW
5184.0	FDY	FAF Orleans, F	CW
5185.0	LRO 69	Buenos Aires Met., ARG	FAX $
5187.2	ETD 3	Addis Ababa Air, ETH	0002-0418+1017 ry or msgs
5190.0	BZC 75	Urumqi Meteo, URG	1617-0222 ry or wx
5192.5	‘RFFF’	FF Lyon, F	ARQ-E 96 Bd: 1144+1753 msgs to ‘RFFDC’ (ILG)
5195.0	DFE 25	DW Cologne feeder, D	SSB
5201.5	‘RPTTA’	PAF Ponta Delgada, AZR	SITOR-A: 0002 msgs to ‘RPFR’
5203.0	FIT 75	MOI Paris, F	ARQ-E3 100 Bd: 1730 msg to FIT 69 (LYZ)
5208.0	FSB	INTERPOL Paris, F	SITOR-A: 0413-2222 tfc CW
	ONA 20	INTERPOL Brussels, BEL	SITOR-A: 0551-1915 tfc or msgs
5217.0	FUB	FN Paris, F	1939 ry
5220.0	SUA 94	MENA Cairo, EGY	0600+1400-2300 A nx
5222.3	TYE	ASECNA Cotonou, BEN	ARQ-M2 96 Bd: A: 0620 "ch"; 2100 "ch", msg (UNA) B: 0618 wx with WMO headings
5224.0	‘RFFH’	FF Marseille, F	ARQ-E 96 Bd: 0735+1035 msg to ‘RFFGX’ (IGA)
5226.5	JXU 6	NN Bodoe, NOR	CW
5227.0	VJJ	RFDS Charleville, QLD, AUS	SSB
5229.0	GYU	RN Gibraltar, GIB	COMB
5240.0	4OC 2	TANJUG Belgrade, YUG	1700-0400 E nx

5250.0 - 5450.0 FIXED + MOBILE except aeronautical mobile

5254.0	‘RFFE’	FF Bordeaux, F	ARQ-E 72 Bd: 1711 msg
5260.0	VJK	RFDS Meekatharra, WA, AUS	SSB
		MFA Tunis, TUN	1700 A msgs
5265.0	FUB	FN Paris, F	1907 ry
5270.0	FDG 2	FAF Mont-de-Marsan, F	CW
	IGJ	IN Augusta, I	SSB
5275.0	SUA 211	MENA Cairo, EGY	1700 E/F nx, 1800+1900 E nx, 2000 F nx, 2100+2200 E nx
5280.0	DFE 28	DW Cologne feeder, D	SSB
	RKR 76	Irkutsk Meteo, SE, URS	FAX 60/576: 0020+0410+1600+1820+1915+2355 charts
5285.0	RBX 71	Tashkent Met., UZ, URS	FAX // 3280.0 kHz $
5287.0	MKA	RAF London, G	SSB
5291.6	TBO 2	TN Izmir, TUR	CW
5295.0		RFE Holzkirchen feeder, D	ISB
5300.0	VJB	RFDS Derby, WA, AUS	SSB
	VJN	RFDS Cairns, QLD, AUS	SSB
	VKF	RFDS Wyndham, WA, AUS	SSB
5302.5	CAN 6D	Presidente Eduardo Frei Montalva Meteo, CHL	FAX 120/576: 1530 ASCH AAEF 0000, ASCH AAEF 1200; 2130 ASCH AAEF 1800 CW
5305.0	‘D’	Beacon Odessa, UK, URS	CW
5305.5	FSB	INTERPOL Paris, F	SITOR-A: 0402+0752-1459 tfc CW
5306.0	‘C’	Beacon Moscow, RU, URS	CW
5306.2	‘P’	Beacon Kaliningrad, RU, URS	CW
5308.0	‘O’	Beacon Moscow, RU, URS	CW
5308.5	‘Z’	Beacon Mukachevo, UK, URS	CW
5308.8	‘L’	Beacon Leningrad, RU, URS	CW
5310.0		Berbera, SOM	CW/SSB

5312.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0500 ry, 0530 msg (SC press review), 0655 msg
5315.0	BJZ 27	Wuhan Meteo, CHN	1149-0057 ry or wx
5316.0	'RFFH'	FF Marseille, F	ARQ-E 96 Bd: 1005 msg to 'RFGXX' (IGA)
5322.0	RCV	SN Moscow, RU, URS	CW
5325.0	RND 79	Moscow Meteo, RU, URS	FAX 60/576: 1650+1920+2250+2330 chart Black Sea area
5335.0	RDM 78	Tbilisi Meteo, GE, URS	1440-0434 wx
	ROF 76	Novosib. Met., SW, URS	FAX // 3635.0 kHz $
5336.5	'RPFNG'	PN Lisbon, POR	1638 ry
5342.0	FDY	FAF Orleans, F	CW
5343.5		Ras Shukheir Oilwell, EGY	SITOR-A: 1825 msg to Ras Gharib
5345.0	RSW 71	Arkhangelsk Met., RU, URS	1426-0346 R ry wtsca or wx wla
5355.0	RND 77	Moscow Meteo, RU, URS	FAX // 2815.0 kHz $
5357.0	'RFFF'	FF Lyon, F	ARQ-E 96 Bd: 1200+1230 msg to 'RFFG' (IWV)
5360.0	DFE 36	DW Cologne feeder, D	SSB
	VJQ	RFDS Kalgoorlie, WA, AUS	SSB
	Y7K 22	MFA Berlin, DDR	2147 ry
5368.0	IBA	USN Napoli, I	0915 foxes
5374.5	'U'	Beacon Murmansk, RU, URS	CW
5376.5	OST 28	Oostende R, BEL	SITOR-A: 2305 tfc list SITOR-B: 0400 Dutch nx CW
5380.0	'RETWL'	Guardia Civil Logron, E	SITOR-A: 1853 msg to 'RETWLL' SITOR-B: 1850 msg
5381.5	'RETWL'	Guardia Civil Logron, E	SSB
5393.5	ELRB	Monrovia Air, LBR	1905-0412 ry or msgs (LOA)
5396.6	'RFFA'	MOD Paris, F	ARQ-M2 200 Bd: A: 1640-0110 msgs or wx or encrypted tfc after "KKKK..." to 'RFQP' (PQA) B: 1639-0402 msgs or wx or "revue de la presse quotidienne" (F nx) or encrypted tfc after "KKKK..." to 'RFQP' (PQA, PQB)
5400.0	YOG 37	Bucharest Meteo, ROU	0505-1614 ry or wx
5404.0	RCN	Stepnyak, KA, URS	CW
	'RFGX'	FF Baden-Baden, D	ARQ-E 96 Bd: 1112+2034 msg to 'RFFA' (IHA)
5405.0	JMJ 2	Tokyo Meteo, J	FAX // 3365.0 kHz $
	MKK	RAF London, G	VFT: 0207+2140 ryi COMB
5410.0	VJD	RFDS Alice Springs, NT, AUS	SSB
5420.0	OMD	Prague, TCH	CW
		Kuybishev Meteo, RU, URS	FAX 90/576: 0355+0420+1920+2220 chart Russia
5424.0	6VU	ASECNA Dakar, SEN	ARQ-M2 96 Bd: A: 0345+0710+1928 msgs (DKA, MKB) B: 0110+0320 wx with WMO headings (MKB)
5426.0	KRH 50	USE London, G	CW
5427.5	LBA 6	NN Stavanger, NOR	SSB
5430.0	RVM 45	Tashkent Meteo, UZ, URS	1441+1558+1849-0453 wx
5439.0	'RFGX'	FF Baden-Baden, D	ARQ-E 96 Bd: 1157+1235+1651 msg msg to 'RFFH' (IKB)
5442.5	70C	Khormaksar Air, YMS	2108-0856 ry
5443.0	KWL 90	USE Manila, PHL	CW
5445.0	VJI	RFDS Mount Isa, QLD, AUS	SSB
5446.5	FDC 22	FAF Contrexeville, F	CW

5450.0 - 5480.0		**Region 1 = AERONAUTICAL MOBILE (OR) + FIXED + LAND MOBILE** **Region 2 = AERONAUTICAL MOBILE (R)** **Region 3 = AERONAUTICAL MOBILE (OR) + FIXED + LAND MOBILE**	
5451.0		AMS = 10F 11B 12F 12H 13I 13J	SSB
5452.0	HZN	Jeddah Meteo, ARS	FAX // 3560.0 kHz $
5454.0		AMS = 10 12E 13F 13J	SSB
5455.0	**LZF 9**	**Sofia Meteo, BUL**	**0601-1721 wx**
5457.0		AMS = 10C 13N	SSB
5458.0	**'RFFF'**	**FF Lyon, F**	**ARQ-E 96 Bd: 1440 msg to 'RFFL' (ILG)**
5460.0		AMS = 10B 10E 12C 13D	SSB
		VoA Tanger, MRC	**75 Bd: 0300 A nx, 2100-0300 E nx**
5463.0		AMS = 11B 13H 13K 13M	SSB
5466.0		AMS = 10B 13I	SSB
5469.0		AMS = 11B 13G	SSB
5470.0	**RKC 29**	**TASS Moscow, RU, URS**	**0430+0500 E nx**
5472.0		AMS = 10A 10D 13H	SSB
5474.0	**CSY**	**Santa Maria Air, AZR**	**0420 "ch"**
5475.0		AMS = 10A 10D 12E 12F 13G	SSB
5477.1	**HGX 21**	**MFA Budapest, HNG**	**1635 ry, into FEC; 1825 ry**
5480.0 - 5680.0		**AERONAUTICAL MOBILE (R)**	**< 501 505 >**
5481.0		AMS = 2A 2C 4B 6G 7D 9C 10C 10E 12E 12J 13E 13F 13K 14D 14G	SSB
5484.0		AMS = 1B 3A 3C 6A 9B 10A 10D 12C 12G 13H	SSB
5487.0		AMS = 2C 6G 10C 12E	SSB
5490.0		AMS = 2A 2B 3A 6D 10A 10D 12C 13C	SSB
5493.0		AMS = AFI, 3B 6G	SSB
5496.0		AMS = 2A 2B 3A 6F 10A 10D 12C 12J 13I	SSB
5499.0		AMS = 3B 6G, VAFI	SSB
5502.0		AMS = 2A 2B 3A 6B 10C 12C 13M	SSB
5505.0		AMS = 3B 6G, VEUR	SSB
		MFA Tunis, TUN	**1930 A msg to Tripoli**
5508.0		AMS = 2B 2C 6F 7 9B 11B 12F 13N	SSB
5511.0		AMS = 3A 5B 6G	SSB
5514.0		AMS = 2C 3B 3C 6E 11B 13C	SSB
5517.0		AMS = 3A 6G	SSB
5520.0		AMS = CAR, 2B 2C 3B 6D 7E	SSB
5523.0		AMS = 2A 6G 9B 11B 12G 13I	SSB
5526.0		AMS = SAM, 2B 2C 3B 5D 6E 10F 14	SSB
5527.0	BAF 6	Beijing Meteo, CHN	FAX $
5529.0		AMS = W I/II	SSB
5532.0		AMS = W I/V	SSB
5535.0		AMS = W I/IV	SSB
5538.0		AMS = W II/V	SSB
5541.0		AMS = W I/IV	SSB
5544.0		AMS = W II/V	SSB
	CAK	**Santiago Air, CHL**	**0010+0429+0554 msgs (SIA)**
5547.0		AMS = CEP, 2A 4A 6G 7F 13H 13K	SSB

5550.0		AMS = CAR, 2B 2C 3B 5D 6C 6E 14G	SSB
5553.0		AMS = 6G 10B 13C	SSB
5556.0		AMS = 2 3 12F	SSB
5559.0		AMS = SP, 2A 4A 6G 10E 12G 13J	SSB
5562.0		AMS = 2C 3B 3C 10C 12D 13D	SSB
5565.0		AMS = SAT, 6G 9B 10A	SSB
5568.0		AMS = 1B 3A 3C 5B 6D 7F 10B 12 13J	SSB
5571.0		AMS = 6G 11B 13C	SSB
5574.0		AMS = CEP, 2B 2C 4B 6D 13G	SSB
5577.0		AMS = 1C 5A 6G 7B 10E 13C 13J 13K	SSB
5580.0		AMS = 3A 3B 6A 6C 14G, VCAR	SSB
5583.0		AMS = 1E 5A 5C 6G 7B 9 10B 12E 12F 12H 13E 13F	SSB
5586.0		AMS = 2C 3C 10D	SSB
5589.0		AMS = 12C, VMID	SSB
5592.0		AMS = 6G 7C 9D, VNAT	SSB
5595.0		AMS = 1C 2B 6B 10C 12E	SSB
5598.0		AMS = NAT, 6G	SSB
5601.0		AMS = 3A 3B 6A, VSAM	SSB
5604.0		AMS = 2A 2C 4B 6G 10 12A 12E 12F 13E 13F 13K 14	SSB
5607.0		AMS = 2B	SSB
5610.0		AMS = 6G	SSB
5613.0		AMS = 2B 12C	SSB
5616.0		AMS = NAT, 6G	SSB
5619.0		AMS = 2B 12J	SSB
5621.0		**MFA Tunis, TUN**	**0638 A msgs**
5622.0		AMS = 1D 6G	SSB
5625.0		AMS = 3A 5B 6B 10D	SSB
5628.0		AMS = NP, 1D 6G	SSB
5631.0		AMS = 6D 10A	SSB
5634.0		AMS = INO, 6G	SSB
5637.0		AMS = 1D 3C	SSB
5640.0		AMS = 6G	SSB
5643.0		AMS = SP, 3C	SSB
5646.0		AMS = NCA, 12G	SSB
5649.0		AMS = NAT SEA	SSB
5652.0		AMS = AFI CWP	SSB
5655.0		AMS = EA SEA	SSB
5658.0		AMS = AFI MID	SSB
5661.0		AMS = CWP EUR	SSB
5664.0		AMS = NCA	SSB
5667.0		AMS = MID	SSB
	'F'	Beacon Vladivostok, SE, URS	CW
5670.0		AMS = EA	SSB
5673.0		AMS = VSEA	SSB
5676.0		AMS = VNCA	SSB

5680.0 - 5730.0 AERONAUTICAL MOBILE (OR) < 501 505 >

5680.0	*worldwide*	*calling/distress/safety fq.*	*CW/SSB*
5684.0	CFH	CF Halifax, NS, CAN	SSB
5685.0	ILI	IAF Brindisi, I	SSB
	MKH	RAF Doncaster, G	SSB
5688.0	AFL	USAF L. AFB, Lmst., ME, USA	SSB
5690.0	DHM 95	CF Lahr, D	SSB
5696.0	N..	many USCG stations	SSB

5703.0	AJE	USAF Croughton, G	SSB
5718.0	CFH	CF Halifax, NS, CAN	SSB
	CJX	CF St. John's, NFLD, CAN	SSB
5730.0 - 5950.0		Region 1 = FIXED + LAND MOBILE Region 2 = FIXED + MOBILE except aeronautical mobile (R) Region 3 = FIXED + Mobile except aeronautical mobile (R)	
5730.0	BAA 24	Beijing Meteo, CHN	0037-0943 wx
5730.5	5UA	ASECNA Niamey, NGR	ARQ-M2 96 Bd: B: 0354+0446 msgs (NOB)
5731.0	YRR 4	Bucharest Meteo, ROU	0410-2223 ry or wx
5733.0	HZJ	Jeddah Air, ARS	1722-0344 msg (JSA)
5737.5	ONY 27	NATO Mons, BEL	CW
5738.0	OMV 237	Prague, TCH	1006 ry, tfc
	9GC	Accra Air, GHA	0550 ry
5740.0	HZN	Jeddah Meteo, ARS	1626-0435 ry or wx
	RKR 78	Irkutsk Meteo, SE, URS	2010-2330 wx
	'RFFC'	FF Lille, F	ARQ-E 96 Bd: 1347+1400 msgs to 'RFFEC' (IAA)
5745.0		VoA Greenvl. fdr., NC, USA	ISB
5746.5		Czech E Bonn, D	75 Bd: 1536 msgs to OMZ
5748.0	FDC	FAF Metz, F	CW
5750.0	*WLO*	*Mobile R, AL, USA*	*scheduled*
5755.0	AXI 32	Darwin Meteo, NT, AUS	FAX $
	RZX 5	Magadan Meteo, FE, URS	FAX 60/576: 1944-1114 charts
5757.0	HBD 20	MFA Berne, SUI	SITOR-A: 0756-1724 tfc + msg
	HBD 49	Swiss E Budapest, HNG	SITOR-A: 1054 tfc to HBD 20
5760.0	OVG 5	DM Frederikshavn, DNK	CW
5761.0	IVV 21	Rome Police, I	1530 msgs to Torino
5765.0	RYO 79	Novosib. Met., SW, URS	FAX // 4445.0 kHz $
5767.5	HBD 20	MFA Berne, SUI	SITOR-A: 0658+1635 msg
5776.0	'VOHY'	Hyderabad Air, IND	CW
5777.5	LRO 26	AF Buenos Aires, ARG	FAX 60/288 LSB ISD: 1345-0421 pix with S text
5779.0	FVA 80	Rosny sur Bois Gendarm., F	CW
5783.0	5TY	ASECNA Nouakchott, MTN	ARQ-M2 96 Bd: A: 0042+0407 msg, 0500+2200 "ch" without AFTN heading B: 0331+2200 msg (KDA)
5784.5	'U'	Beacon Murmansk, RU, URS	CW
5785.0	AOK	USN Rota, E	FAX // 4704.0 kHz $
	RCR 72	Khabarovsk Met., SE, URS	0028-1235 ry or wx
5803.0	FDY	FAF Orleans, F	CW
5803.5	9GC	Accra Air, GHA	2005-0512 ry
5804.5	FDC	FAF Metz, F	CW
5807.0	ZKLF	Auckland Meteo, NZL	FAX $ CW
5807.5	XTU	ASECNA Ouagadougou, BFA	ARQ-M2 96 Bd: B: 0302+1721 msg, 2220 "ch" (ONA)
5810.0	HLL 4	Soul Meteo, KOR	CW
	IPR 34	Genova Police, I	SITOR-A: 1015 msg + tfc to IPR 44
	IPR 44	Rome Police, I	SITOR-A: 1015 tfc to IPR 34
5813.0	MKK	RAF London, G	VFT: 0458 ryi COMB
5813.5	EIP	Shannon Air, IRL	0720 msg
5815.0	BUA 21	XINHUA Beijing, CHN	FAX 120/288: 2334-1538 C nx (text)
	RVO 72	R Moscow feeder, RU, URS	SSB
5818.0	'RFFG'	FF Strasbourg, F	ARQ-E 72 Bd: 1011 msg to 'RFFC' (IVW)

5820.0	FDY	FAF Orleans, F	CW
5822.0	FDI	FAF Aix, F	CW
5832.6	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 1737-0425 msg or encrypted tfc after "KKKK..." or "controle de voie" or svc msg to 'RFFA' (QPB) B: 1935-0251 msg or "controle de voie" or svc msg to 'RFFA' (QPA, QPB)
5839.6	FTF 84B.H1	AFP Paris, F	1700-0500 A nx
5841.0	FTF 84B.H3	AFP Paris, F	1700-0500 F nx
5844.0	BLM 21	Chengdu Meteo, CHN	0028+0050 wx, 0944 ry
5845.0	VNZ	RFDS Port Augusta, SA, AUS	SSB
5847.5	'RFFG'	FF Strasbourg, F	ARQ-E 96 Bd: 0920 msg to 'RFFA' (IXV)
5848.0	TUH	ASECNA Abidjan, CTI	1736-0617 ry or msgs (IGA)
5850.0	OXT	Copenhagen Meteo, DNK	FAX $
	VJB	RFDS Derby, WA, AUS	SSB
5852.0	*WLO*	*Mobile R, AL, USA*	*scheduled*
5862.0	'P'	Beacon Kaliningrad, RU, URS	CW
5865.0	VJN	RFDS Cairns, QLD, AUS	SSB
5867.0	YIL 68	INA Baghdad, IRQ	1300+1400+1600+1700+2100 A nx
5867.5	'U'	Beacon Murmansk, RU, URS	CW
5868.0	FDY	FAF Orleans, F	CW
5870.0	NAR	USN Key West, FL, USA	CW
5875.0	'RIFMCF'	IN Rome, I	75 Bd: 1730+1905 ry, 2338 clg 'I11C', 2345 ry
5881.0	RMP	SN Kaliningrad, RU, URS	CW
5887.5	IMB 2	Rome Meteo, I	24 h ry or wx
5890.0	RBV 78	Tashkent Met., UZ, URS	FAX // 3690.0 kHz $
5900.0	5AF	Tripoli Air, LBY	(hx 2950.0 kHz)
5903.0	SOF 290	PAP Warsaw, POL	1600 E nx
5909.0	BMB	Taipei Meteo, TAI	CW
5916.5	'U'	Beacon Murmansk, RU, URS	CW
5917.0	OLC 4	CETEKA Prague, TCH	1710-1800 E nx
5917.5	AOK	USN Rota, E	CW
5920.0	'K'	Beacon Khabarovsk, SE, URS	CW
5922.0	'X'	Beacon Prague, TCH	CW
5923.0	SNN 299	MFA Warsaw, POL	75 Bd: 0553-1712 ry or msgs or msgs (5fgs)
5932.0	'DJR'	Jibuti Air, DJI	0350 ry
	OFA	*Helsinki R, FNL*	*scheduled; QSX 6259.0 kHz*

5950.0 - 6200.0 BROADCASTING

6200.0 - 6525.0 MARITIME MOBILE < 500A 500B 520 520B 522 >

6200.0		ship stations, ch 601	SSB	QSX 6506.4 kHz
6203.1		ship stations, ch 602	SSB	QSX 6509.5 kHz
6204.0		Libreville Port R, GAB	SSB	
6206.2		ship stations, ch 603	SSB	QSX 6512.6 kHz
	OED	DDSG Vienna R, AUT		
6209.3		ship stations, ch 604	SSB	QSX 6515.7 kHz
6210.4		Port of Spain R, TRD	SSB	
6212.4		ship stations, ch 605	SSB	QSX 6518.8 kHz
	WGK	St. Louis R, MO, USA		
6215.0		*supplementary worldwide calling/distress/safety f.*		

6215.5		ship stations, ch 606 *(worldwide calling frequency)*	SSB	QSX 6521.9 kHz
6218.6	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
6221.6	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
6244.5	'U'	Beacon Murmansk, RU, URS	CW	
6251.0	'78 IJU'	SN Madrid, E	100 Bd:	24 h clg '75 RQA'
6256.5		ship stations, series 1		QSX 6494.5 kHz
6257.0		ship stations, series 2		QSX 6495.0 kHz
6257.5		ship stations, series 3		QSX 6495.5 kHz
6258.0		ship stations, series 4		QSX 6496.0 kHz
6258.5		ship stations, series 5		QSX 6496.5 kHz
6259.0		ship stations, series 6		QSX 6497.0 kHz
		ship stations		QSX 5932.0 kHz (OFA)
6259.5		ship stations, series 7		QSX 6497.5 kHz
6260.0		ship stations, series 8		QSX 6498.0 kHz
6260.5		ship stations, series 9		QSX 6498.5 kHz
6261.0		ship stations, series 10		QSX 6499.0 kHz
6261.5		ship stations, series 11		QSX 6499.5 kHz
6262.0		ship stations, series 12		QSX 6500.0 kHz
6262.5		ship stations, series 13		QSX 6500.5 kHz
6263.0		ship stations, series 14		QSX 6501.0 kHz
	'P'	Beacon Kaliningrad, RU, URS	CW	
6263.5		ship stations, series 15		QSX 6501.5 kHz
6264.0		ship stations, series 16		QSX 6502.0 kHz
6264.5		ship stations, series 17		QSX 6502.5 kHz
6265.0		ship stations, series 18		QSX 6503.0 kHz
6265.5		ship stations, series 19		QSX 6503.5 kHz
6266.0		ship stations, series 20		QSX 6504.0 kHz
6266.5		ship stations, series 21		QSX 6504.5 kHz
6267.0		ship stations, series 22		QSX 6505.0 kHz
6267.5		ship stations, series 23		QSX 6505.5 kHz
6268.0		ship stations, non-paired		
	worldwide	*NBDPT distr. and safety f.*		
		ship stations		QSX 6402.0 kHz (GKS 3)
6268.5		ship stations, non-paired		
6269.0		ship stations, non-paired		
6269.5		ship stations, non-paired		
		ship stations		QSX 6460.0 kHz (SAB 33)
6270.3		ship stations calling, ch 1	CW	
6270.9		ship stations calling, ch 2	CW	
6271.5		ship stations calling, ch 3	CW	
6272.1		ship stations calling, ch 4	CW	
6272.7		ship stations calling, ch 5	CW	
6273.3		ship stations calling, ch 6	CW	
6273.9		ship stations calling, ch 7	CW	
6274.5		ship stations calling, ch 8	CW	
6275.1		ship stations calling, ch 9	CW	
6275.7		ship stations calling, ch 10	CW	
6276.3		ship stations calling, ch 11	CW	
6276.9		ship stations calling, ch 12	CW	
6277.5		ship stations calling, ch 13	CW	
6278.1		ship stations calling, ch 14	CW	
6278.7		ship stations calling, ch 15	CW	
6279.3		ship stations calling, ch 16	CW	
6279.9		ship stations calling, ch 17	CW	
6280.5		ship stations calling, ch 18	CW	
6281.5	*worldwide*	*ship stations DSC freq.*		
6288.0	'71 HGE'	SN Las Palmas, CNR	75 Bd:	0246 msg, 0252+0536+1738 ry
6290.0	UGH 2	Juzno R, FE, URS	CW	

6310.5	ZAS	Sarande R, ALB	CW
6312.0	*worldwide*	*DSC distress and safety f.*	
6314.0	*worldwide*	*NBDPT MSI frequency*	
6325.5	DZJ 7	Makati R, PHL	CW
6326.5	DZJ	Bulacan R, PHL	CW
	PKN	Balikpapan R, INS	CW
	PKR	Semarang R, INS	CW
	PKY 5	Merauke R, INS	CW
	WNU	Slidell R, LA, USA	CW
6327.5	CLY	Habana R, CUB	CW
6328.0	DSB	Pusan F R, KOR	CW
6328.3	OST 32	Oostende R, BEL	CW
6329.0	**'78 YLQ'**	**SN Tarifa, E**	**75 Bd: 0432+0720 ry, 1950 wx** CW
6329.5	DZH 2	Manila R, PHL	CW
6330.0	**CFH**	**CF Halifax, NS, CAN**	**75 Bd: 1237+1844-0824 ry or wx** FAX // 122.5 kHz $
	EDF 2	Aranjuez R, E	CW
	FJP 6	Noumea R, NCL	CW
	YIR	Basrah Control R, IRQ	CW
6331.0	CTH 47	PN Horta, AZR	CW
6331.5	**UMV**	**Murmansk R, RU, URS**	**1708+1910 R tts wtsca** CW
6332.0	S9M	Sao Tome R, STP	CW
6332.5	DVM 4	Manila R, PHL	CW
	DVZ 9	Navotas R, PHL	CW
	DXD 9	Davao R, PHL	CW
6333.0	**'78 IJU'**	**SN Madrid, E**	**100 Bd: 1730 wx**
6333.5	VII	Port Kennedy R, T. I., AUS	CW
	VIM	Melbourne R, VIC, AUS	CW
	VIR	Rockhampton R, QLD, AUS	CW
	WCC	Chatham R, MA, USA	CW
	XSZ	Dalian R, CHN	CW
6334.5	UFM 3	Nevelsk R, FE, URS	CW
6335.5	DZI	Bacoor R, PHL	CW
	OA. 6	PELPER Iquitos R, PRU	CW
	OCP 2	PELPER Saramuro R, PRU	CW
	VFA	CCG Inuvik, NWT, CAN	CW
	VFF	CCG Iqaluit, NWT, CAN	CW
6336.0	LZW 3	Varna R, BUL	CW
	SXH	GN Khania, GRC	CW
	'P'	Beacon Kaliningrad, RU, URS	CW
6336.5	ZRH 3	SAN Capetown, AFS	CW
6337.0	CBV	DGTMMM Valparaiso R, CHL	CW
	CLA 5	Habana R, CUB	CW
	EDG 2	Aranjuez R, E	CW
	PK.	many R stations, INS	CW
	UGK 2	**Kaliningrad R, RU, URS**	**0720 R navigational warnings wtsca**
	UXN	**Arkhangelsk R, RU, URS**	**0710 R ry wtsca**
	WCC	Chatham R, MA, USA	CW
6337.9	**GYA**	**RN London, G**	**75 Bd: 0030 ry**
6338.1	ZRQ 3	SAN Capetown, AFS	CW
6338.5	DYM	Cebu R, PHL	CW
	KLC	Galveston R, TX, USA	CW
6339.0	DHJ 59	GN Wilhelmshaven, D	CW
6339.8	ZLO 3	RNZN Waiouru, NZL	CW
6340.0	XSO 4	Zhoushan R, CHN	CW
6340.5	ETC	Assab R, ETH	CW
	9VG 9	Singapore R, SNG	CW
6341.5	DYE 9	Cebu R, PHL	CW
	UDH	**Riga R, LA, URS**	**1013+1953 R tts wtsca** CW

6341.5	UFB	Odessa R, UK, URS	CW
6342.0	GKK 3	Portishead R, G	CW
	JFA	Matsudo F R, J	CW
	LZL 3	Bourgas R, BUL	CW
6342.6	SUH 7	Alexandria R, EGY	CW
6343.0	Y5M	Rügen R, DDR	CW
6344.0	HLF	Soul R, KOR	CW
	SVB 3	Athens R, GRC	CW
	TFA	Reykjavik R, ISL	CW
	WLO	Mobile R, AL, USA	CW
	YJM 6	Port-Vila R, Efate I., VUT	CW
6344.5	DZE 4	Malabon R, PHL	CW
6345.0	EBB	SN Ferrol, E	CW
	ROT	SN Moscow, RU, URS	CW
	UCY 2	Astrakhan' R, RU, URS	CW
	'75 ORC'	SN Barcelona, E	CW
6347.0	PPL	Belem R, B	CW
6348.0	HWN	FN Paris, F	CW
	J2A 6	Jibuti R, DJI	CW
	KFS	San Francisco R, CA, USA	CW
	5RS	Toamasina R, MDG	CW
6349.0	PPJ	Juncao R, B	CW
6350.0	XFK	La Paz R, MEX	CW
	6YX	JCG Kingston, JMC	CW
6351.0	OBF 4	Mollendo R, PRU	CW
6351.5	P2M	Port Moresby R, PNG	CW
	P2R	Rabaul R, PNG	CW
	VFC	CCG Cambridge B., NWT, CAN	CW
	VIB	Brisbane R, QLD, AUS	CW
	YVG	La Guayra R, VEN	CW
	3BM 3	Port Louis R, MAU	CW
6352.0	FUG	FN La Regine, F	CW
	PPL	Belem R, B	CW
	RCV	SN Moscow, RU, URS	CW
6353.0	UFB	Odessa R, UK, URS	CW
	YKI	SCOTC Tartus R, SYR	CW
6354.0	URD	Leningrad R, RU, URS	CW
	XFM	Manzanillo R, MEX	CW
6355.0	EQL	Anzali R, IRN	CW
	EQO	Nowshahr R, IRN	CW
	OFJ 6	Helsinki R, FNL	CW
	PK. .	many R stations, INS	CW
	PZN 2	Paramaribo R, SUR	CW
6355.5	OAA 6	PELPER Iquitos R, PRU	CW
6357.0	DUF	Manila R, PHL	CW
6358.0	XFN	Progreso R, MEX	CW
6358.5	**PBC 36**	**DN Goeree Island, NLD**	**75 Bd: 24 h ry**
	Y5M	**Rügen R, DDR**	**SITOR-A: 2258 tts** CW
	9VG 27	Singapore R, SNG	CW
6360.0	CLS	Habana F R, CUB	CW
	DSD	Yosu F R, J	CW
	OBC 3	Callao R, PRU	CW
	SXE	HCG Elevsis, GRC	CW
	UHK	Batumi R, GE, URS	CW
	UJY	Kaliningrad R, RU, URS	CW
	XFQ	Salina Cruz R, MEX	CW
6361.0	KUQ	Pago Pago R, SMA	CW
6362.0	EQ.	many R stations, IRN	CW
6363.0	DUS	Manila R, PHL	CW
6363.5	DAF	Norddeich R, D	CW
6364.5	HZG	Dammam R, ARS	CW

6365.0	IRM	CIRM Rome, I	CW
	UVD	Magadan R, FE, URS	CW
6365.5	**FUB**	**FN Paris, F**	**0752 clg 'BNAC'**
	KFS	San Francisco R, CA, USA	CW
	WPD	Tampa R, FL, USA	CW
6366.0	DUN	PN Manila, PHL	CW
6367.0	XFU	Veracruz R, MEX	CW
6368.5	UDH	Riga R, LA, URS	CW
6368.9	GKA 3	Portishead R, G	CW
6369.0	D3E 41	Luanda R, AGL	CW
	KLC	Galveston R, TX, USA	CW
	UQK	Riga R, LA, URS	CW
	XST	Qingdao R, CHN	CW
6370.0	UBE 2	Petropavl.-Km. R, FE, URS	CW
	UEK	Feodosiya R, UK, URS	CW
	VBA	CCG Thunder Bay, ONT, CAN	CW
	XSD	Yingkou R, CHN	CW
	XSH	Basuo R, CHN	CW
6371.0	PPO	Olinda R, B	CW
6371.2	GYU	RN Gibraltar, GIB	CW
6372.0	CBV	DGTMMM Valparaiso R, CHL	CW
	DUW	Manila R, PHL	CW
6372.5	SAG 3	Goeteborg R, S	CW
6374.0	PPJ	Juncao R, B	CW
	TBO 3	TN Izmir, TUR	CW
6375.0	HAR	Budapest R, HNG	CW
	PW.	many BN stations, B	CW
	UGH 2	Juzno R, FE, URS	CW
	URB 2	Klaipeda R, LI, URS	CW
6376.0	CW./..	many UN stations, URG	CW
	C6N	Nassau R, BAH	CW
	SPE 32	Szczecin R, POL	CW
	WCC	Chatham R, MA, USA	CW
6377.0	PPO	Olinda R, B	CW
6377.5	**'78 IJU'**	**SN Madrid, E**	**75 Bd: 1115+1721 ry, 1730 encrypted msg**
6379.0	4XZ	IN Haifa, ISR	CW
6379.5	CBV	DGTMMM Valparaiso R, CHL	CW
	GKB 3	Portishead R, G	CW
	UFL	**Vladivostok R, SE, URS**	**0633 R tts wtsca**
	XSK	Beihai R, CHN	CW
	ZSC 21	Capetown R, AFS	CW
	8PO	Bridgetown R, BRB	CW
6380.0	TIM	Limon R, CTR	CW
	UQB	**Kholmsk R, FE, URS**	**0012-1043 R tts wtsca** CW
6381.0	9KK 4	Safat R, KWT	CW
6382.0	TBA 6	TN Ankara, TUR	CW
6382.2	EAD 2	Aranjuez R, E	CW
6383.0	NMC	USCG San Franc., CA, USA	CW
	SPH 31	Gdynia R, POL	CW
	TYA	Cotonou R, BEN	CW
	URL	Sevastopol' R, UK, URS	CW
	XSN	Ningbo R, CHN	CW
	3XC 2	Conakry R, GUI	CW
	3XO 27	Kamsar R, GUI	CW
	6VA 4	Dakar R, SEN	CW
6384.0	DZY 7	Manila R, PHL	CW
6384.5	CKN	CF Vancouver, BC, CAN	CW
6385.0	PPR	Rio de Janeiro R, B	CW
	UFL	Vladivostok R, SE, URS	CW
6385.2	IDR 8	IN Rome, I	CW

6385.2	SXA 4	GN Piraeus, GRC	CW
6385.5	DSQ	Inchon F R, KOR	CW
6386.5	HKC	Buenaventura R, CLM	CW
	J..	many R stations, J	CW
	UJO 5	Izmail R, UK, URS	CW
	ZSJ 3	SAN Capetown, AFS	CW
6387.0	HZG	Dammam R, ARS	CW
6388.0	**EBA**	**SN Madrid, E**	**75 Bd: 1000+1700 ry, msg (navigational warnings); 1828 msg (navigational warnings)**
			CW
	FUF	FN Fort de France, MRT	CW
	JFA	Matsudo F R, J	CW
	VWA 1	Ramnagar Port R, IND	CW
6389.0	CTP	NATO Lisbon, POR	CW
6389.7	WNU	Slidell R, LA, USA	CW
6390.0	AQP 4	PN Karachi, PAK	CW
	DZB 7	Malabon R, PHL	CW
	HAR	Budapest R, HNG	CW
	IDQ	IN Rome, I	CW
	JYO	Aqaba R, JOR	CW
	RME 23	R Moscow feeder, RU, URS	ISB
	UPB	Provideniya R, FE, URS	CW
	XFC	Cozumel R, MEX	CW
	XFE	Ensenada R, MEX	CW
	XSQ	Guangzhou R, CHN	CW
	ZPK	Asuncion R, PRG	CW
6391.0	PPR	Rio de Janeiro R, B	CW
6391.5	OSN 46	BN Oostende, BEL	CW
6392.0	CLS	Habana F R, CUB	CW
		Prague Meteo, TCH	**0030+0715 wx**
6393.0	CBV	DGTMMM Valparaiso R, CHL	CW
	DZW	Manila R, PHL	CW
6393.5	CUL 6	Lisbon R, POR	CW
	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	UDK 2	Murmansk R, RU, URS	CW
	VHI 3	RAN Perth, WA, AUS	CW
	ZLB 3	Awarua R, NZL	CW
6394.0	RIW	SN Khiva, UZ, URS	CW
6395.0	TBA 3	TN Ankara, TUR	CW
	UMZ	Valentia R, SE, URS	CW
6395.9	GKN 3	Portishead R, G	CW
6397.0	GKM 3	Portishead R, G	CW
	ZPK	Asuncion R, PRG	CW
6398.0	SPH 32	Gdynia R, POL	CW
6400.0	UMV	Murmansk R, RU, URS	CW
	UON	Baku R, AZ, URS	CW
6400.5	EDZ 2	Aranjuez R, E	CW
	TCR	TURBAN Istanbul R, TUR	CW
	XSR	Haikou R, CHN	CW
6402.0	DVY 2	Manila R, PHL	CW
	DZE	Mandaluyong R, PHL	CW
	GKS 3	*Portishead R, G*	*scheduled*
6403.0	CLJ	Habana R, CUB	CW
6404.0	PCH 30	Scheveningen R, NLD	CW
6405.0	DZD 3	Manila R, PHL	CW
	LZW 3	Varna R, BUL	CW
	UAH	Tallinn R, ES, URS	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
6407.5	CBV	DGTMMM Valparaiso R, CHL	CW
	GKC 3	Portishead R, G	CW

6407.5	VI./.	many R stations, AUS	CW
	XSL	Fuzhou R, CHN	CW
6408.0	DZA	Mandaluyong R, PHL	CW
6408.5	EBA	SN Madrid, E	CW
	'78 IJU'	**SN Madrid, E**	**75 Bd: 0306 clg '71 KPF'**
6409.5	IAR 6	Rome R, I	CW
6410.0	7TF	Skikda R, ALG	CW
6410.7	KLB	Seattle R, WA, USA	CW
6411.0	DZF	Bacoor R, PHL	CW
	KLB	Seattle R, WA, USA	CW
	OST 3	Oostende R, BEL	CW
	SVD 3	Athens R, GRC	CW
	5OW 6	Lagos R, NIG	CW
	9LL	Freetown R, SRL	CW
6412.0	9VG 55	Singapore R, SNG	CW
6413.7	GYC 3	RN London, G	CW
6413.8	**GYA**	**RN London, G**	**75 Bd: 24 h test**
6414.5	ASK	Karachi R, PAK	CW
	CBV	DGTMMM Valparaiso R, CHL	CW
	XFA	Acapulco R, MEX	CW
	XSG	Shanghai R/TS, CHN	CW
6415.0	SXA 35	GN Piraeus, GRC	CW
	7TA 4	El Djaza'ir R, ALG	CW
	7TF	Skikda R, ALG	CW
6416.0	URL	Sevastopol' R, UK, URS	CW
	WLO	Mobile R, AL, USA	CW
6416.3	CCS	CN Santiago, CHL	CW
6417.0	DZP	Novaliches R, PHL	CW
	UKX	Nakhodka R, SE, URS	CW
6418.0	CCS	CN Santiago, CHL	FAX // 4766.0 kHz $
	IAR 26	Rome R, I	CW
	IQX	Trieste R, I	CW
	VTP 5	IN Vishakhapatnam, IND	CW
6418.5	**DGF 41**	**HAB Hamburg, D**	**SITOR-B: 2000 G nx**
6420.0	PWZ	BN Rio de Janeiro, B	CW
	UAD 2	Kholmsk R, FE, URS	CW
	UJQ	Kiyev R, UK, URS	CW
	UNR 7	Severo-Kuril'sk R, FE, URS	CW
6421.5	FFL 3	Saint Lys R, F	CW
6421.7		**MFA Cairo, EGY**	**SITOR-A: 1730 ATU-A tfc**
6423.0	LZL 3	Bourgas R, BUL	CW
	ZSC 47	Capetown R, AFS	CW
6423.5	HPP	Panama R, PNR	CW
6424.0	9GA	Takoradi R, GHA	CW
6425.0	EQM	Bushire R, IRN	CW
	EQN	Khomeini R, IRN	CW
	EQQ	Khark R, IRN	CW
	ICB	Genova R, I	CW
	SUP	Port Said R, EGY	CW
	URD	Leningrad R, RU, URS	CW
6427.0	UNM 2	Klaipeda R, LI, URS	CW
6428.0	CBV	DGTMMM Valparaiso R, CHL	CW
6428.5	GKD 3	Portishead R, G	CW
	PKE 5	Ternate R, INS	CW
	PKM	Bitung R, INS	CW
	VIX 3	RAN Canberra, ACT, AUS	CW
	XSU	Yantai R, CHN	CW
	Y5M	Rügen R, DDR	CW
6429.0	DZD	Antipolo R, PHL	CW
6430.0	CFH	CF Halifax, NS, CAN	CW
	UKA	Vladivostok R, SE, URS	CW
	4XO	Haifa R, ISR	CW

6430.4	5RS	Toamasina R, MDG	CW
6432.0	DZZ	Manila R, PHL	CW
	LGU	Rogaland R, NOR	CW
6433.5	OMP 33	Prague R, TCH	CW
6434.0	ZAD 2	Durres R, ALB	CW
	ZAS	Sarande R, ALB	CW
6434.8	**GYA**	**RN London, G**	**75 Bd: 24 h test**
			CW
6435.0	DZO	Bulacan R, PHL	CW
	PWZ	BN Rio de Janeiro, B	CW
	XFB	Ciudad del Carmen R, MEX	CW
	XFY	Guaymas R, MEX	CW
6435.5	CWA	Cerrito R, URG	CW
	DAN	Norddeich R, D	CW
	XSI	Sanya R, CHN	CW
	XSK 4	Haimen R, CHN	CW
6436.0	OBY 2	Paita R, PRU	CW
6436.6	GYD 3	RN London, G	FAX // 2813.6 kHz $
			CW
6436.8	ZLP 3	RNZN Waiouru, NZL	CW
6438.0	VFR	CCG Resolute, NWT, CAN	CW
6439.0	OXZ 31	Lyngby R, DNK	CW
	UKK 3	**Nakhodka R, SE, URS**	**0645 R tts wtsca**
			CW
	XFP	Chetumal R, MEX	CW
6440.0	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	OMP 3	Prague R, TCH	CW
6442.0	XSE	Qinhuangdao R, CHN	CW
6442.5	XF. .	many PEMEX R stations, MEX	CW
6442.8	**GYA**	**RN London, G**	**(sp 6457.0 kHz)**
6443.0	RJFY	Leningrad R, RU, URS	CW
6444.0	DZK	Bulacan R, PHL	CW
6444.5	SVF 3	Athens R, GRC	CW
6445.0	UFL	Vladivostok R, SE, URS	CW
6446.0	WLO	Mobile R, AL, USA	CW
		Murmansk Meteo, RU, URS	FAX 120/576 LSB: 1930+2000 chart Scandinavia - Barents Sea
6446.5	WLO	Mobile R, AL, USA	CW
6446.8	OXZ 3	Lyngby R, DNK	CW
6447.0	DVM 2	Makati R, PHL	CW
	UFB	Odessa R, UK, URS	CW
6448.0	LZW 3	Varna R, BUL	CW
6449.0	VLS	Sydney TS, NSW, AUS	CW
6449.5	XSO	Wenzhou R, CHN	CW
	Y5M	Rügen R, DDR	CW
6450.5	**UMV**	**Murmansk R, RU, URS**	**2045 R tts wtsca**
6451.0	HLG	Soul R, KOR	CW
6451.5	SAB 3	Goeteborg R, S	CW
6452.0	XSG	Shanghai R, CHN	CW
6453.0	PW.	many BN stations, B	CW
6454.0	CLA 4	Habana R, CUB	CW
	XSG 24	Shanghai R, CHN	CW
6455.0	UDK 2	Murmansk R, RU, URS	CW
6455.5	CKN	CF Vancouver, BC, CAN	CW
6456.0	CKN	CF Vancouver, BC, CAN	FAX // 4268.0 kHz $
	HCG	Guayaquil R, EQA	CW
6456.5	DAL	Norddeich R, D	CW
	PK. ..	many R stations, INS	CW
6457.0	**GYA**	**RN London, G**	**75 Bd: 0607 foxes**
6457.5	JOR	Nagasaki R, J	CW

6458.0	XSM	Xiamen R, CHN	CW
6459.0	SPE 31	Szczecin R, POL	CW
6460.0	LSA 3	Boca R, ARG	CW
	SAB 33	**Goeteborg R, S**	**SITOR-A: 24 h tts; QSX 6269.5 kHz**
	UĴQ 7	Kiyev R, UK, URS	CW
	UKA	**Vladivostok R, SE, URS**	**0008-1042 R tts wtsca** CW
6461.0	XSQ	Guangzhou R, CHN	CW
6462.0	DYV 9	Victorias R, PHL	CW
	FUM	FN Papeete, Tahiti, OCE	CW
6463.5	HKB	Barranquilla R, CLM	CW
	VI./.	many R stations, AUS	CW
	XSP	Shantou R, CHN	CW
6465.0	**IER 20**	**IFG Rome, I**	**0218+0606-2203 tfc or msgs**
	PWL	BN Corumba, B	CW
	UJY	Kaliningrad R, RU, URS	CW
6466.0	CKN	CF Vancouver, CAN	CW
	HZG	Dammam R, ARS	CW
	Y5M	Rügen R, DDR	CW
6467.0	CBV	DGTMMM Valparaiso R, CHL	CW
	JCS	Choshi R, J	CW
	LFU	Rogaland R, NOR	CW
	VTG 5	IN Bombay, IND	CW
	ZSC 36	Capetown R, AFS	CW
6468.0	DZN	Navotas R, PHL	CW
6468.2	XSF 7	Wuhan R, CHN	CW
6469.3	GKG 3	Portishead R, G	CW
6470.0	JCX	Naha R, J	CW
	SXA 24	GN Piraeus, GRC	CW
	UIF 2	Anadyr' R, FE, URS	CW
	UXN	Arkhangelsk R, RU, URS	CW
6470.5	4XO	Haifa R, ISR	CW
	6YI	Kingston R, JMC	CW
	9MG 10	Georgetown R, Pin. I., MLA	CW
	9YL	North Post R, TRD	CW
6470.8	GKH 3	Portishead R, G	CW
6471.2	**GYA**	**RN London, G**	**(sp 6457.0 kHz)**
6472.3	GKI 3	Portishead R, G	CW
6473.5	YQI 3	Constanta R, ROU	CW
6474.0	DYV	Iloilo R, PHL	CW
	OB. .	many R stations, PRU	CW
	XSJ	Zhanjiang R, CHN	CW
6475.0	UAT	Moscow R, RU, URS	CW
	UNM 2	**Klaipeda R, LI, URS**	**1914 R tts wtsca**
6475.5	DAM	Norddeich R/TS, D	CW
6477.0	DZU	Pasig R, PHL	CW
6477.5	GKJ 3	Portishead R, G	CW
	KPH	San Francisco R, CA, USA	CW
	UBN	Zhdanov R, UK, URS	CW
	XSF	Lianyungang R, CHN	CW
6478.0	ZSC 34	Capetown R, AFS	CW
6478.8	SVA 3	Athens R, GRC	CW
6479.0	HPP	Panama R, PNR	CW
	JYO	Aqaba R, JOR	CW
6480.0	9GX	Tema R, GHA	CW
6481.0	ZPK	Asuncion R, PRG	CW
	9MB 3	MN Georgetown, Pin. I., MLA	CW
6482.0	CLJ	Habana R, CUB	CW
6483.0	PWZ	BN Rio de Janeiro, B	CW
	UQB	Kholmsk R, FE, URS	CW
6484.0	LZL 3	Bourgas R, BUL	CW

6484.5	WSC	Tuckerton R, NJ, USA	CW
	XFL	Mazatlan R, MEX	CW
	XSV	Tianjin R, CHN	CW
6485.0	JCU	Choshi R, J	CW
	UAH	Tallinn R, ES, URS	CW
6486.0	DZH	Manila R, PHL	CW
6487.0	UKW 3	Korsakov R, FE, URS	CW
6487.5	VRT	Hamilton R, BER	CW
6488.5	KPH	San Francisco R, CA, USA	CW
6489.0	DYD 2	Cebu R, PHL	CW
	XSJ	Zhanjiang R, CHN	CW
6490.0	**FUE**	**FN Brest, F**	**75 Bd: 1522 ry**
6491.5	JOS	Nagasaki R, J	CW
	PJC	Willemstad R, Curacao, ATN	CW
	PK. .	many R stations, INS	CW
	TAH	Istanbul R, TUR	CW
	VCS	CCG Halifax, NS, CAN	CW
	9PA	Banana R, ZAI	CW
6492.0	DZM	Bulacan R, PHL	CW
6493.0	VAI	CCG Vancouver, BC, CAN	CW
	YKM 5	SCOT Baniyas Port R, SYR	CW
6493.5	URB 2	Klaipeda R, LI, URS	CW
6494.5		**coast stations, series 1**	**QSX 6256.5 kHz**
	KFS	*San Francisco R, CA, USA*	*scheduled* CW
	SAB 301	**Goeteborg R, S**	**SITOR-A: 24 h tts**
	UMV	Murmansk R, RU, URS	CW
	Y5M	*Rügen R, DDR*	*scheduled*
	9MG 14	*Georgetown R, Pin. I., MLA*	*scheduled*
6495.0		**coast stations, series 2**	**QSX 6257.0 kHz**
	CUL	*Lisbon R, POR*	*scheduled*
	GKE 3	**Portishead R, G**	**SITOR-A: 24 h tts** **SITOR-B: 0700+1700+1900+2300 tfc list** CW
	HPP	*Panama R, PNR*	*scheduled*
	UMV	*Murmansk R, RU, URS*	*scheduled*
	WNU	**Slidell R, LA, USA**	**SITOR-B: 1400 tfc list** CW
	ZLW	*Wellington R, NZL*	*scheduled*
6495.5		**coast stations, series 3**	**QSX 6257.5 kHz**
	KFS	*San Francisco R, CA, USA*	*scheduled* CW
	OST 36	*Oostende R, BEL*	*scheduled*
	UBN	**Zhdanov R, UK, URS**	**SITOR-A: 1810 R tts wtsca** CW
	UFL	*Vladivostok R, SE, URS*	*scheduled* CW
	XSV	*Tianjin R, CHN*	*scheduled*
6496.0		**coast stations, series 4**	**QSX 6258.0 kHz**
	DCN	*Norddeich R, D*	*scheduled*
	IAR	*Rome R, I*	*scheduled*
	NMN	*USCG Portsmouth, VA, USA*	*scheduled*
	NMO	*USCG Honolulu, HWA*	*scheduled*
	UBE 2	*Petropavlovsk R, FE, URS*	*scheduled*
	UDH	**Riga R, LA, URS**	**SITOR-A: 24 h R tts wtsca** CW
	UFN	*Novorossiysk R, RU, URS*	*scheduled*
6496.5		**coast stations, series 5**	**QSX 6258.5 kHz**
	ETC	*Assab R, ETH*	*scheduled*
	PCH 35	**Scheveningen R, NLD**	**SITOR-A: 24 h tts** **SITOR-B: 0500+1830 tfc list** CW

6496.5	UQB	Kholmsk R, FE, URS	1058 R tts wtsca
	5RS	*Toamasina R, MDG*	*scheduled*
6497.0		coast stations, series 6	QSX 6259.0 kHz
	OFA	Helsinki R, FNL	SITOR-B: 0100 Finnish nx
	UFB	*Odessa R, UK, URS*	*scheduled*
	UXN	Arkhangelsk R, RU, URS	SITOR-A: 0037+0151 R tts wtsca CW
	VIP 32	Perth R, WA, AUS	SITOR-A: 1100+1212 tts CW
	WLO	*Mobile R, AL, USA*	*scheduled*
6497.5		coast stations, series 7	QSX 6259.5 kHz
	DCM	*Norddeich R, D*	*scheduled*
	UNM 2	*Klaipeda R, LI, URS*	*scheduled*
	UPB	*Provideniya R, FE, URS*	*scheduled*
	VCS	*CCG Halifax, NS, CAN*	*scheduled*
	WAH	*Saint Thomas R, VIR*	*scheduled*
	XSG	*Shanghai R, CHN*	*scheduled*
	Y5M	Rügen R, DDR	SITOR-A: 1643 tts CW
	3AC 26	*Monte Carlo R, MCO*	*scheduled*
6498.0		coast stations, series 8	QSX 6260.0 kHz
	LGU 2	Rogaland R, NOR	SITOR-A: 24 h tts SITOR-B: 0700 tfc list, N nx CW
	NMF	*USCG Boston, MA, USA*	*scheduled*
	UAH	*Tallinn R, ES, URS*	*scheduled*
	UBN	*Zhdanov R, UK, URS*	*scheduled*
	UCO	*Yalta R, UK, URS*	*scheduled*
6498.5		coast stations, series 9	QSX 6260.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	HZG	*Dammam R, ARS*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled*
	OXZ	Lyngby R, DNK	SITOR-A: 24 h tts SITOR-B: 0030 Danish nx, 2130 tfc list CW
	SUQ	Ismai'liya R, EGY	CW
	UHK	*Batumi R, GE, URS*	*scheduled*
	VAI	*CCG Vancouver, BC, CAN*	*scheduled*
	9MG 14	*Georgetown R, Pin. I., MLA*	*scheduled*
6499.0		coast stations, series 10	QSX 6261.0 kHz
	IAR	*Rome R, I*	*scheduled*
	UAT	Moscow R, RU, URS	SITOR-A: 0149 R tts wtsca CW
	WLO	Mobile R, AL, USA	SITOR-A: 0148+0302+0333 tts CW
	YUS	*Split R, YUG*	*scheduled*
6499.5		coast stations, series 11	QSX 6261.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	FFT 32	Saint Lys R, F	SITOR-A: 0603-2303 tts CW
	GKY 3	*Portishead R, G*	*scheduled*
	SVS 3	*Athens R, GRC*	*scheduled*
	UQB	*Kholmsk R, FE, URS*	*scheduled*
	URD	*Leningrad R, RU, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-B: H+35 tfc list, wx CW
	XSQ	*Guangzhou R, CHN*	*scheduled*
6500.0		coast stations, series 12	QSX 6262.0 kHz
	GKP 3	Portishead R, G	SITOR-A: 24 h tts CW
	NMF	USCG Boston, MA, USA	SITOR-B: 0200 wx, schedule

6500.0	*NRV*	*USCG Apra Harbour, GUM*	*scheduled*
	OBQ 5	Iquitos R, PRU	CW
	RMP	SN Kaliningrad, RU, URS	CW
6500.5		coast stations, series 13	QSX 6262.5 kHz
	DCL	Norddeich R, D	SITOR-A: 0636-1652 tts
	KPH	*San Francisco R, CA, USA*	*scheduled* CW
	WCC	*Chatham R, MA, USA*	*scheduled*
6501.0		coast stations, series 14	QSX 6263.0 kHz
	FFT 31	Saint Lys R, F	SITOR-A: 0714-1926 tts or wx SITOR-B: 0200+0300+0600+0700+0800+0900+1000+1100+1200+1300+1400+2100+2200+2300 tfc list or wx CW
	KPH	San Francisco R, CA, USA	SITOR-B: 0515 wx
	UFH	*Petropavlovsk R, FE, URS*	*scheduled*
	UJQ	*Kiyev R, UK, URS*	*scheduled*
	VIS 63	Sydney R, NSW, AUS	SITOR-A: 1818 tts CW
	WCC	*Chatham R, MA, USA*	*scheduled*
	3AC 36	*Monte Carlo R, MCO*	*scheduled*
6501.5		coast stations, series 15	QSX 6263.5 kHz
	IAR	*Rome R, I*	*scheduled*
	OXZ	*Lyngby R, DNK*	*scheduled*
	TAH	*Istanbul R, TUR*	*scheduled*
	URB 2	*Klaipeda R, LI, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 0153-0417 tts, 0715 E nx, 1310 tts CW
	YUR	*Rijeka R, YUG*	*scheduled*
6502.0		coast stations, series 16	QSX 6264.0 kHz
	COB 36	*Flota Cubana F R, CUB*	*scheduled*
	SPB 32	Szczecin R, POL	SITOR-A: 0813 tts CW
	SVU 3	Athens R, GRC	SITOR-A: 2047-0528 tts CW
	TBB 6	TN Ankara, TUR	CW
	YUW	*Bar R, YUG*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
	8Q2	*Male R, MLD*	*scheduled*
6502.5		coast stations, series 17	QSX 6264.5 kHz
	KLC	*Galveston R, TX, USA*	*scheduled*
	OST 37	Oostende R, BEL	SITOR-A: 24 h tts CW
	UGH 2	*Juzno R, FE, URS*	*scheduled*
6503.0		coast stations, series 18	QSX 6265.0 kHz
	IAR	*Rome R, I*	*scheduled*
	UDK 2	*Murmansk R, RU, URS*	*scheduled*
	UKA	Vladivostok R, SE, URS	1835 R tts wtsca
	UKX	Nakhodka R, SE, URS	0830 R tts wtsca
	VPS 28	Victoria Island R, HKG	SITOR-A: 1743 tts CW
6503.5		coast stations, series 19	QSX 6265.5 kHz
	SAB 319	Goeteborg R, S	SITOR-A: 0634-0238 tts
	UFM 3	*Nevelsk R, FE, URS*	*scheduled*
	VRT	*Hamilton R, BER*	*scheduled*
	WLO	*Mobile R, AL, USA*	*scheduled*
6504.0		coast stations, series 20	QSX 6266.0 kHz
	NMC	*USCG San Franc., CA, USA*	*scheduled*

6504.0	**PCH 36**	**Scheveningen R, NLD**	**SITOR-A: 24 h tts** **SITOR-B: 1700 tfc list, 1715 Dutch nx** CW
	S9M	*Sao Tome R, STP*	*scheduled*
	9VG 77	**Singapore R, SNG**	**SITOR-A: 1102+1214 tts** CW
6504.5		**coast stations, series 21**	**QSX 6266.5 kHz**
	KPH	*San Francisco R, CA, USA*	*scheduled*
	LGU 3	*Rogaland R, NOR*	*scheduled*
	UQK	*Riga R, LA, URS*	*scheduled*
	WCC	**Chatham R, MA, USA**	**SITOR-A: 0152 tts, 0230 E nx, 0417 tts** **SITOR-B: 0045+0445+1645+2040 tfc list** CW
6505.0		**coast stations, series 22**	**QSX 6267.0 kHz**
	GKQ 3	**Portishead R, G**	**SITOR-A: 24 h tts** CW
	IDR 3	IN Rome, I	CW
	KLC	*Galveston R, TX, USA*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
6505.5		**coast stations, series 23**	**QSX 6267.5 kHz**
	DCF	*Norddeich R, D*	*scheduled*
	YUR	*Rijeka R, YUG*	*scheduled*
6506.0	*worldwide*	*coast stations DSC freq.*	
6506.4		coast stations, ch 601	SSB QSX 6200.0 kHz
	CBM 9	ETAL Punta Arenas R, CHL	
	CBV 3	DGTMMM Hanga Roa R, PAQ	
	CB./..	many DGTMMM R stations, CHL	
	CKN	CF Vancouver, BC, CAN	
	DAJ	Norddeich R, D	
	DVF 7	Navotas R, PHL	
	DVR 3	Manila R, PHL	
	DVW 9	Quezon City R, PHL	
	FJP 7	Noumea R, NCL	
	HAR	Budapest R, HNG	
	HZG	Dammam R, ARS	
	LPW 35	Bahia Blanca R, ARG	
	N..	many USCG stations	
	OBG 3	Pisco R, PRU	
	OBT 2	Talara R, PRU	
	OM.	many R stations, TCH	
	PK. .	many R stations, INS	
	S3D	Chittagong R, BGD	
	TFA	Reykjavik R, ISL	
	XF.	many R stations, MEX	
	XFS 5	PEMEX Tuxpan R, MEX	
	XFU 2	PEMEX Veracruz R, MEX	
	XSG	Shanghai R, CHN	
	YUW	Bar R, YUG	
	ZLW	Wellington R, NZL	
	5AT	Tripoli R, LBY	
	5OW	Lagos R, NIG	
	7TA 17	El Djaza'ir R, ALG	
	8Q2	Male R, MLD	
	9GA	Takoradi R, GHA	
	9HD	Valetta R, MLT	
	9MG 30	Georgetown R, Pin. I., MLA	
6509.5		coast stations, ch 602	SSB QSX 6203.1 kHz
	CFH	CF Halifax, NS, CAN	

6509.5	CUL	Lisbon R, POR		
	DXS 3	General Santos City R, PHL		
	DZL 9	Manila R, PHL		
	GYU	RN Gibraltar, GIB		
	HCG	Guayaquil R, EQA		
	HLS	Soul R, KOR		
	HPP 20	Panama R, PNR		
	IAR	Rome R, I		
	OBB 4	Ilo R, PRU		
	OBZ 3	Chimbote R, PRU		
	OSU 31	Oostende R, BEL		
	PCG 31	Scheveningen R, NLD		
	PKC 4	Panjang R, INS		
	PKY 5	Merauke R, INS		
	SPC 31	Gdynia R, POL		
	S3D	Chittagong R, BGD		
	S3E	Khulna R, BGD		
	TAN	Izmir R, TUR		
	TAO	Trabzon R, TUR		
	TRP 8	Gamba R, GAB		
	UQK	Riga R, LA, URS		
	YUR	Rijeka R, YUG		
	3AC 6	Monte Carlo R, MCO		
	3DP	Suva R, FJI		
	4PB	Colombo R, SLK		
	9GX	Tema R, GHA		
	9KK 5	Safat R, KWT		
	9VG 62	Singapore R, SNG		
		Abidjan F R, CTI		
6512.6		coast stations, ch 603	SSB	QSX 6206.2 kHz
	DZJ	Bulacan R, PHL		
	DZZ	Manila R, PHL		
	HAR	Budapest R, HNG		
	HZG	Dammam R, ARS		
	J..	many R stations, J		
	LGN 30	Rogaland R, NOR		
	LPL 30	General Pacheco R, ARG		
	OBY 2	Paita R, PRU		
	OXZ	Lyngby R, DNK		
	PK. ..	many R stations, INS		
	SAG	Goeteborg R, S		
	SVN 3	Athens R, GRC		
	S3D	Chittagong R, BGD		
	TFA	Reykjavik R, ISL		
	TUA	Abidjan R, CTI		
	UDK 2	Murmansk R, RU, URS		
	UIK	Vladivostok R, SE, URS		
	VFF	CCG Iqaluit, NWT, CAN		
	VI.	many R stations, AUS		
	VPS	Victoria Island R, HKG		
	VRT	Hamilton R, BER		
	XFC	Cozumel R, MEX		
	XFK	La Paz R, MEX		
	XFP	Chetumal R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFS 5	PEMEX Tuxpan R, MEX		
	4XO	Haifa R, ISR		
	5AT	Tripoli R, LBY		
	5BA 34	Nicosia R, CYP		
	5WA	Apia R, SMO		
	7TA 18	El Djaza'ir R, ALG		

6515.7		coast stations, ch 604	SSB	QSX 6209.3 kHz
	ASK	Karachi R, PAK		
	CBV 3	DGTMMM Hanga Roa R, PAQ		
	CB./..	many DGTMMM R stations, CHL		
	CFW	Vancouver R, BC, CAN		
	D.. .	many R stations, PHL		
	EHY	Pozuelo del Rey R, E		
	EQ.	many R stations, IRN		
	IAR	Rome R, I		
	LZW	Varna R, BUL		
	OBF 4	Mollendo R, PRU		
	OBR 3	Salaverry R, PRU		
	PJC	Willemstad R, Curacao, ATN		
	PK. ..	many R stations, INS		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	SPO 31	Szczecin R, POL		
	S3E	Khulna R, BGD		
	VPS	Victoria Island R, HKG		
	WAH	Saint Thomas R, VIR		
	WCM	Withamsville R, OH, USA		
	XFC	Cozumel R, MEX		
	XFE	Ensenada R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFU 2	PEMEX Veracruz R, MEX		
	XSQ	Guangzhou R, CHN		
	XSV	Tianjin R, CHN		
	YUS	Split R, YUG		
	4XO	Haifa R, ISR		
	5RS	Toamasina R, MDG		
6518.8		coast stations, ch 605	SSB	QSX 6212.4 kHz
	CWF	Punta Carretas R, URG		
	DZI	Bacoor R, PHL		
	DZO	Bulacan R, PHL		
	ETC	Assab R, ETH		
	FFL 31	Saint Lys R, F		
	HAR	Budapest R, HNG		
	HLS	Soul R, KOR		
	HSA 20	Bangkok R, THA		
	LGN 31	Rogaland R, NOR		
	N..	many USCG stations		
	OBC 3	Callao R, PRU		
	OBQ 5	Iquitos R, PRU		
	OXZ	Lyngby R, DNK		
	PK. ..	many R stations, INS		
	SAG	Goeteborg R, S		
	SUH	Alexandria R, EGY		
	S3E	Khulna R, BGD		
	UFO	Kholmsk R, FE, URS		
	UJO 3	Izmail R, UK, URS		
	VAI	CCG Vancouver, BC, CAN		
	VCS	CCG Halifax, NS, CAN		
	WAH	Saint Thomas R, VIR		
	WFN	Jeffersonville R, IN, USA		
	YUR	Rijeka R, YUG		
	5AB	Benghazi R, LBY		
	5OW	Lagos R, NIG		
	5RS	Toamasina R, MDG		
	6YI	Kingston R, JMC		
	7TA 19	El Djaza'ir R, ALG		
	9KK 52	Safat R, KWT		
6521.0	**'RETJ'**	**SN Madrid, E**	**75 Bd: 2030 wx**	

6521.0	**'71 XBP'**	**SN Cartagena, E**	**75 Bd: 1130 ry, wx to '77 KMU'; 2307 ry** **100 Bd: 0200 clg '77 KMU', 2251 ry** **CW**
6521.9		coast stations, ch 606 *(worldwide calling frequency)*	SSB QSX 6215.5 kHz

6525.0 - 6685.0 AERONAUTICAL MOBILE (R)

6526.0		AMS = 2A 2B 3A 4A 6F 12G 14F	SSB
6528.7		**MFA Cairo, EGY**	**SITOR-A: 1830 ATU-A msgs + msg (5fgs)**
6529.0		AMS = 3B 6G	SSB
6529.5	**'VCCC'**	**Colombo Air, SLK**	**0116 ry**
6532.0		AMS = CWP, 2A 2B 3A 4A 12F	SSB
6535.0		AMS = SAT, 2C 5D 6G 9D 10A 10D 12C 12J 14B	SSB
6538.0		AMS = 3A 3B 9B 11B, VAFI	SSB
6541.0		AMS = 2C 6G 10C 13C 14C	SSB
6544.0		AMS = 1C 3A 3B 5A 5C 6C 10D	SSB
6547.0		AMS = 2A 2C 5D 6G 9B 10B 10E 12E 12J 13F 13K 14A	SSB
6550.0		AMS = 1B 3A 3C 5B 6D 11B 13J	SSB
6553.0		AMS = 2A 2C 4B 6G 9 10 12E 12F 13E 13F 13K 14A	SSB
6556.0		AMS = SEA, 1 3A 3C 10C 13C	SSB
6559.0		AMS = AFI, 2A 3B 6G 11B 13J 14D	SSB
6562.0		AMS = CWP, 2B 2C 10D 13C	SSB
6565.0		AMS = 2A 4 6G 11B 14E	SSB
6568.0		AMS = 2B 2C 3B 6D 7C 10C 13C	SSB
6571.0		AMS = EA, 12C	SSB
6572.0	'P'	Beacon Kaliningrad, RU, URS	CW
6574.0		AMS = AFI, 2A 6G 10B 13I 13M 14D	SSB
6577.0		AMS = CAR, 2B 2C 3B 4B 6D 13E	SSB
6580.0		AMS = 6G 7E 9C 10A 13C 13J 13K 14, VEUR	SSB
	RGC 7.	**Kiyev Meteo, UK, URS**	**(hx 3290.0 kHz)**
6583.0		AMS = 2 3 6E	SSB
6586.0		AMS = CAR, 2C 6G 7 13G 14C	SSB
6589.0		AMS = 3	SSB
6592.0		AMS = NCA, 12C	SSB
6595.0		AMS = 1B 3B 3C 5B 6D	SSB
6598.0		AMS = EUR, 4B 6G 9B 10B 10E 12E 13H	SSB
6600.0	RUU 76	Leningrad Met., RU, URS	FAX (hx 3300.0 kHz)
6601.0		AMS = 2	SSB
6604.0		AMS = 1D 6G 7C 10A 13N 14B, VNAT	SSB
6607.0		AMS = 3A 6A 6B	SSB
6610.0		AMS = 1D 6G 14F	SSB
6613.0		AMS = 3A 6A 6B 13G	SSB
6616.0		AMS = 4A 6G 12G 14E	SSB
6617.0		Kiyev Air, UK, URS	SSB
		Leningrad Air, RU, URS	SSB
		Moscow Air, RU, URS	SSB
		Riga Air, LA, URS	SSB
		Rostov-na-Donu Air, RU, URS	SSB
6619.0		AMS = 3A 6B	SSB

6622.0		AMS = NAT, 6G 7F 9B 12C 13D	SSB
6625.0		AMS = MID, 3B	SSB
6628.0		AMS = NAT, 6G 7E 12C 13D 13M 14	SSB
6631.0		AMS = MID, 3B 6C	SSB
6634.0		AMS = 6G	SSB
6637.0		AMS = W I/II/III	SSB
6640.0		AMS = W II/V	SSB
6643.0		AMS = W I/IV	SSB
6646.0		AMS = W II/V	SSB
6649.0		AMS = SAM, 3A 6G	SSB
6652.0		AMS = 6G 7B	SSB
6655.0		AMS = NP, 2B 6E	SSB
6658.0		AMS = 3C 6A	SSB
6661.0		AMS = NP, 2B 6E	SSB
6663.0	**TAD**	**MFA Ankara, TUR**	**FEC-A 144 Bd: 1640 ry**
6664.0		AMS = 3C 5A	SSB
6667.0		AMS = 1E 2B 6F	SSB
6670.0		AMS = 3C	SSB
6673.0		AMS = AFI CEP, 2A 6G 10F 12D 13D 14B	SSB
6676.0		AMS = VSEA	SSB
6679.0		AMS = VPAC	SSB
6682.0		AMS = 6G	SSB
6683.0	**TAD**	**MFA Ankara, TUR**	**FEC-A 144 Bd: 1602 ry**

6685.0 - 6765.0 AERONAUTICAL MOBILE (OR)

6685.0	RFNV	Moscow Air, RU, URS	CW
6693.0	CFH	CF Halifax, NS, CAN	SSB
		Kuybishev Air, RU, URS	SSB
		Novosibirsk Air, SW, URS	SSB
		Sverdlovsk Air, SW, URS	SSB
		Syktyvkar Air, RU, URS	SSB
		Tyumen' Air, SW, URS	SSB
		Yeniseysk Air, SW, URS	SSB
6705.0	VXA	CF Edmonton, ALTA, CAN	SSB
6710.0	**LZM 7**	**Sofia Meteo, BUL**	**(sp 6795.0 kHz)**
6715.0		many USAF stations	SSB
6722.5		SST Palembang, INS	SSB
6730.0	AFA	USAF A. AFB, C.S., MD, USA	SSB
	AFI	USAF McCl. AFB, S., CA, USA	SSB
		Tashkent Air, UZ, URS	SSB
6735.0	'X'	Beacon Prague, TCH	CW
6736.0	**ETD 3**	**Addis Ababa Air, ETH**	**1613-0521 ry or msgs (VSA)**
6738.0	AIC	USAF Clark AFB, Luzon, PHL	SSB
	MQP	RAF Upavon, G	SSB
	XPH	USAF T. AFB, Uummannaq, GRL	SSB
6745.6	**'RFVI'**	**FF Le Port, REU**	**ARQ-M2 96 Bd: A: 2127 "controle de voie" to 'RFHI' (VII)**
6746.0	CFH	CF Halifax, NS, CAN	SSB
6747.0	**IEN 21**	**IA Padova, I**	**0900 clg IEN 36**
	IEN 36	**IA Gorizia, I**	**0903 clg IEN 21**
6750.0	AFE	USAF MacD. AFB, T., FL, USA	SSB
	AJE	USAF Croughton, G	SSB
	CUW	PAF/USAF Lajes AFB, AZR	SSB
6751.7		**MFA Cairo, EGY**	**SITOR-A: 0112 msgs (5lgs) to Washington**
6753.0	CHR	CF Trenton, ONT, CAN	SSB
	CJX	CF St. John's, NFLD, CAN	SSB
	VXA	CF Edmonton, ALTA, CAN	SSB

6753.0		INTERFLUG Berlin, DDR	SSB
6753.7		**Egyptian E Rome, I**	**SITOR-A: 1642 tfc to Cairo** **SITOR-B: 1638 ATU-A msg to Cairo**
6756.0	AFA	USAF A. AFB, C.S., MD, USA	SSB
6760.0	MQD	RAF Plymouth, G	SSB
6761.0		many USAF stations	SSB
6761.3	**HGX 21**	**MFA Budapest, HNG**	**DUP-ARQ: 1410 tfc to HGX 41**
	HGX 41	**Hung. E Damascus, SYR**	**DUP-ARQ: 1410 msgs to HGX 21**

6765.0 - 7000.0 FIXED + Land Mobile < 524 525 >

6766.0	**ZRH**	**SAN Capetown, AFS**	**0139 clg HDN**
6768.0	FDY	FAF Orleans, F	CW
6770.0	**LOR**	**AN Puerto Belgrano, ARG**	**75 Bd: 0115 ry, 0203+0526 msgs (5lgs), 2120+2254 msgs**
	'RFLI'	**FF Fort de France, MRT**	**ARQ-M2 96 Bd: A: 0425+0615 msgs to 'RFFA' (GLI)** **B: 0120 "controle de cle" to 'RFFA', 2342 msgs to 'RFFA' (FDI)**
		MFA Tunis, TUN	**1205 A msgs to Belgrade**
6771.0	**'98 DDX'**	**SN Madrid, E**	**75 Bd: 0830 ry, 1208 s. on with tfc**
6772.0	**TNO**	**ASECNA Pte.-Noire, COG**	**2025-0156 ry**
6775.0	AGA 6..	many USAF MARS stations	SSB
	XTU	**ASECNA Ouagadougou, HVO**	**ARQ-M2 96 Bd: A: 0225+0720+2113 msg** **B: 0120 "ch" (VBA)**
6786.5	**KRH 51**	**USE London, G**	**75 Bd: 24 h foxes**
6790.0	YMA 20	Ankara Meteo, TUR	FAX // 3377.0 kHz $
		Baraawe, SOM	SSB
		Muqdisho, SOM	SSB
6792.0	**FSB 54**	**INTERPOL Paris, F**	**SITOR-A: 0624-1744 tfc** CW
6794.0	**'DFZG'**	**MFA Belgrade, YUG**	**75 Bd: 0528 ry, anns msgs, encrypted tfc after "XYXYXY..."**
6795.0	**LZM 7**	**Sofia Meteo, BUL**	**1746-0552 ry or wx**
6797.0		**Czech E Vienna, AUT**	**75 Bd: 1407 msgs to OMZ**
6799.0	**SNN 299**	**MFA Warsaw, POL**	**75 Bd: 0555 ry**
6801.5	'D'	Beacon Odessa, UK, URS	CW
	'S'	Beacon Arkhangelsk, RU, URS	CW
6802.0	'C'	Beacon Moscow, RU, URS	CW
6802.2	'P'	Beacon Kaliningrad, RU, URS	CW
6803.0	'F'	Beacon Vladivostok, SE, URS	CW
6804.0	'O'	Beacon Moscow, RU, URS	CW
6804.7	'Z'	Beacon Mukachevo, UK, URS	CW
6804.8	'L'	Beacon Leningrad, RU, URS	CW
6805.0	RBK 72	R Moscow feeder, RU, URS	ISB
	SOG 280	**PAP Warsaw, POL**	**0030+1700+2100 E nx**
6807.0	**TAD**	**MFA Ankara, TUR**	**FEC-A 144 Bd: 0513 tfc**
6815.0	**BAL 34**	**PTT Beijing, CHN**	**1357+1744-2150 ry or to Berlin**
6816.1	**CNM 11**	**VoA Tanger, MRC**	**75 Bd: 0000+0200+2300 E nx**
6820.0	JKA 2	JIJI Tokyo, J	FAX 120/288: 0441-1351 J nx (text)
	OLW 2	**PTT Prague, TCH**	**0649+0702 ry**
6822.5	RKC 24	R Moscow feeder, RU, URS	ISB
6824.0	**GHH**	**Jamestown Meteo, SHN**	**0201+0209+0230+1824 wx**
	OMV 94	**Prague, TCH**	**1315 ry**
6825.0	RBV 79	R Moscow feeder, RU, URS	ISB
	VJQ	RFDS Kalgoorlie, WA, AUS	SSB

6827.0	'DFZG'	MFA Belgrade, YUG	FEC-A 144 Bd: 1300 encrypted msg after "ACTACTACT"..." to Vienna, msg, final tfc, s. off
6829.0	ZAO 2	PTT Tirana, ALB	0754-0907+1300-1326+1502-1511 ry or to YOG 29 (TBU) or Prague
6830.0	RDW 72	Khabarovsk Met., SE, URS	24 h wx
		PETRA Amman, JOR	1400+1500 A nx, 1700-1900 E nx
6835.0	GFL 22	Bracknell Meteo, G	1626-0950 ry or wx
6840.0	EBC	SN Cadiz TS, E	CW/SSB
	VJY	RFDS Darwin, NT, AUS	SSB
6842.0	'78 IJU'	SN Madrid, E	75 Bd: 0420 ry
6844.5	FDY	FAF Orleans, F	24 h ry
6845.0	FDY	FAF Orleans, F	CW
	VJJ	RFDS Charleville, QLD, AUS	SSB
6848.0	SOG 284	PAP Warsaw, POL	0000 E nx, 1900 F nx
6849.0	UMS	Moscow, RU, URS	CW
6850.0	YBW	Padang, INS	CW
6852.0	WLO	Mobile R, AL, USA	FAX $
6856.5	FDC	FAF Metz, F	CW
6858.0	9KT 25	KUNA Safat, KWT	0800-2000 E nx
6860.0	FDG 6	FAF Cazaux, F	CW
	XVS	Ho Chi Minh Ville Met., VTN	CW
	'RPFN'	PN Lisbon, POR	75 Bd: 0905+1740+2110+2119 ry
6861.0	EBA	SN Madrid, E	75 Bd: 0810-1805 ry or clg or tfc to FUG
6862.0	9KT 25	KUNA Safat, KWT	0700-2100 A nx
6862.5	'U'	Beacon Murmansk, RU, URS	CW
6865.9	D4B	Amilcar C. Air, Sal, CPV	0021+0055+0221+0702+2215 ry
6870.0	CAI 7E	Hanga Roa Air, PAQ	0234 msg, 0300 "ch"
	RTV 55	TASS Moscow, RU, URS	0430+0500 E nx
6873.0		VoA Greenvl. fdr., NC, USA	ISB
6874.0	LRB 79	AP Buenos Aires, ARG	FAX // 5777.5 kHz
6875.0	FDY	FAF Orleans, F	CW
	RAM 24	R Moscow feeder, RU, URS	SSB
6880.0	LZM 7	Sofia Meteo, BUL	(sp 6795.0 kHz)
	RAN 77	Moscow Meteo, RU, URS	FAX // 53.6 kHz $
	VJK	RFDS Meekatharra, WA, AUS	SSB
6884.0	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: A: 1931 msg to Paris (DNI)
6890.0	RAN 76	R Moscow feeder, RU, URS	ISB
	VJT	RFDS Carnarvon, WA, AUS	SSB
	VNZ	RFDS Port Augusta, SA, AUS	SSB
6892.0	KRH 51	USE London, G	75 Bd: 0130+1302 foxes
6895.0	PBC 96	DN Goeree Island, NLD	75 Bd: 1710 ry
6896.0	CLN 48	PTT Habana, CUB	0145 to New York, 0216+1440+2140 ry (CUB)
6900.0	'RFTJ'	FF Dakar, SEN	ARQ-M2 96 Bd: B: 0145+0405+0516+0800 "controle de voie" to 'RFLI' (TJI)
6902.0	AFS	USAF AWS Omaha, NE, USA	75 Bd: 0037+0750+1711 wx
6903.3	'RIFAH'	IA Cagliari, I	1756 msgs to 'RIFAHB'
	'RIFAHB'	IA Teulada, I	1000 msgs to 'RIFAH'
6904.0	RCV	SN Moscow, RU, URS	CW
6905.0	AFS	USAF AWS Omaha, NE, USA	FAX // 3232.0 kHz
	FSB	INTERPOL Paris, F	SITOR-A: 1023+1441 tfc or encrypted tfc
			CW
	RKS 72	Murmansk, RU, URS	SSB
6910.0	RVO 79	Moscow Meteo, RU, URS	FAX 90/576: 0140+1250+2115+2300 charts
	RVO 79	R Moscow feeder, RU, URS	SSB

6912.0	ETD 3	Addis Ababa Air, ETH	1452-0440 ry or msgs (VWB)
6913.0	DHJ 59	GN Wilhelmshaven, D	CW
6915.0	BAP 46	XINHUA Beijing, CHN	75 Bd: 0900+1100+1400+1500+1630+1830 E nx
	6MK 53	YONHAP Soul, KOR	FAX 120/576: 0055-0300 Korean nx (text)
6916.5	YCN 9	Pontianak, INS	SSB
6918.5	ECA 7	Madrid Meteo, E	FAX // 3650.0 kHz $
6920.0	RAT 25	R Moscow feeder, RU, URS	SSB
	RGC 70	Kiyev Meteo, UK, URS	24 h ry or wx
	VJC	RFDS Broken Hill, NSW, AUS	SSB
6921.0	8BO 4	Bengkulu Air, INS	SSB
6924.5	8BN	Medan Air, INS	0033+0055+0400+2336 ry or msgs (NQA)
6925.0	KKN 50	MFA Washington, DC, USA	CW
	VJB	RFDS Derby, WA, AUS	SSB
	'RFFDC'	FF Rennes, F	ARQ-E 96 Bd: 1353 msg (IKG)
6928.0	IPA E8	Milano Prefettura, I	0631-1811 msgs to MOI Rome
6930.0	EBA	SN Madrid, E	CW
6939.4	'RFFH'	FF Marseille, F	ARQ-E 96 Bd: 1055+1246-1302 msgs + encrypted tfc after "KKKK..." to 'RFFA' (IMK)
6941.5	TRK	ASECNA Libreville, GAB	ARQ-M2 96 Bd: A: 0457+2037+2120+2228 msgs or "ch" (GFA) B: 2045 msgs; 2250 wx with WMO headings
6942.5	'RFFA'	MOD Paris, F	ARQ-E 96 Bd: 1020-1803 msg to 'RFFH' (INK)
6943.0	5TX	ASECNA Nouadhibou, MTN	2041-0720 ry
6945.0	VJJ	RFDS Charleville, QLD, AUS	SSB
	VKF	RFDS Wyndham, WA, AUS	SSB
	7XR 27	Adrar Meteo, ALG	SSB
	7XR 31	Bechar Meteo, ALG	SSB
	7XR 92	Tindouf Meteo, ALG	SSB
6948.0	'RFFE'	FF Bordeaux, F	ARQ-E 72 Bd: 1210 msg (5lgs) to 'RFFG', 1818+1856 msg (IUW)
6949.0		Muqdisho, SOM	SSB
6950.0	BJZ 20	Wuhan Meteo, CHN	2358-0945 ry or wx
	RCV 29	R Moscow feeder, RU, URS	SSB
	RJK 78	Kiyev Meteo, UK, URS	FAX // 3360.0 kHz $
	VJD	RFDS Alice Springs, NT, AUS	SSB
6952.5		Jogindarnagar, IND	CW
6955.0	DFF 95	DW Cologne feeder, D	SSB
	Y7K 23	MFA Berlin, DDR	0645-1730 ry CW
6956.0	5YE	Nairobi Meteo, KEN	FAX $
6960.0	LZN 3	BTA Sofia, BUL	1730+1900 E nx
	LZN 3	PTT Sofia, BUL	2054 clg Beijing
	VKL	RFDS Port Hedland, WA, AUS	SSB
6965.0	VJI	RFDS Mount Isa, QLD, AUS	SSB
6966.0	YMB 20	Bandirma Meteo, TUR	CW
6970.0	AOK	USN Rota, E	75 Bd: 0518 foxes without ID
	RBT 54	Irkutsk Meteo, SE, URS	0050+0106+0948 wx
6972.0	RMP	SN Kaliningrad, RU, URS	CW
	YOG 59	AGERPRES Bucharest, ROU	1600 F nx, 1700+1800+1900 E nx
6975.0	DFF 97	DW Cologne feeder, D	SSB
	VJY	RFDS Darwin, NT, AUS	SSB
	6VU	ASECNA Dakar, SEN	2313-0630 ry
6978.0	CCS	CN Santiago, CHL	100 Bd: 0455 msgs (5lgs) to 'XKUF'
6980.0	'RFVITT'	FF Dzaoudzi, MYT	ARQ-E3 48 Bd: 1539 tfc to 'RFQP' (TTA)

6981.5	CCS	CN Santiago, CHL	CW
6981.8	**7XA 97**	**El Djaza'ir Meteo, ALG**	**24 h wx**
6983.0	6MK 60	YONHAP Soul, KOR	FAX // 6915.0 kHz
6984.5	'U'	Beacon Murmansk, RU, URS	CW
6985.0	**BSB 29**	**Lanzhou Meteo, CHN**	**24 h ry or wx**
6986.0	'P'	Beacon Kaliningrad, RU, URS	CW
6987.0	**Y7A 31**	**MFA Berlin, DDR**	**2002+2130 ry**
6987.5	RAT 23	R Moscow feeder, RU, URS	SSB
6989.0	**8Q9**	**Male Air, MLD**	**1754-0154 ry (MCA)**
6991.5		**Zaragoza, E**	**SITOR-A: 1800 encrypted msgs**
6993.2	FDY	FAF Orleans, F	CW
6995.0		RFE Holzkirchen feeder, D	ISB
6995.2		Medan, INS	SSB
6998.0	DEK 23	DRK Berlin, D	SSB
	DEK 88	ICRC Bonn, D	SSB
6999.0	**CSY**	**Santa Maria Air, AZR**	**1356-0852 ry or msgs (MCA)**

7000.0 - 7100.0 AMATEUR + AMATEUR-SATELLITE < 510 526 527 >

7000.0	'U'	Beacon Murmansk, RU, URS	CW
7018.0	UJM 20	Murmansk, RU, URS	CW
7048.3	**UHF 3**	**Moscow, RU, URS**	**2103+2141 tfc** CW
7050.5	RGT 77	Moscow, RU, URS	CW
7083.0	**RKST**	**Tashkent Air, UZ, URS**	**0525 clg + msg to YAV**

7100.0 - 7300.0 Region 1 = BROADCASTING

Region 2 = AMATEUR < 510 528 >
Region 3 = BROADCASTING

7120.0		Pontianak, INS	SSB

7300.0 - 8100.0 FIXED + Land Mobile < 529 >

7302.0	IDR 3	IN Rome, I	CW
7305.0	JMH 2	Tokyo Meteo, J	FAX // 3622.5 kHz $
7314.5	YFD 2	Manado, INS	CW
7317.2	**SUU**	**Cairo Meteo, EGY**	**24 h wx**
7330.0	3MA 30	CNA Taipei, TAI	FAX // 5117.0 kHz
7335.0	CHU	Ottawa TS, ONT, CAN	CW/SSB
7341.5		Ambon, INS	SSB
		Padang, INS	SSB
7342.0	**5NK**	**Kano Air, NIG**	**0054+0410+2215 ry**
7350.5	**BAF 44**	**Beijing Meteo, CHN**	**1850 wx**
7353.0	**'RPTI'**	**PN Ponta Delgada, AZR**	**75 Bd: 0310 ry**
7356.0	'P'	Beacon Kaliningrad, RU, URS	CW
7363.7	HMF 88	KCNA Pyongyang, KRE	FAX 60/288: 2336-1147 Korean nx (text) or wx charts
7364.0	**HMF 88**	**KCNA Pyongyang, KRE**	**1800 E nx**
7366.0	IEA 20	IA Rome, I	SSB
7378.0	FDC 3	FAF Dijon, F	CW
7390.0	**GXQ**	**BA London, G**	**VFT: 1910 ryi**
7395.0	**HSW 64**	**Bangkok Meteo, THA**	**0016+0047+1043-2106 wx** FAX $
7397.0	**'RPFN'**	**PN Lisbon, POR**	**75 Bd: 0340 foxes**
7398.0	***WLO***	***Mobile R, AL, USA***	***scheduled***
7399.0	FDY	FAF Orleans, F	CW
7402.5	**JMG 3**	**Tokyo Meteo, J**	**1045+1240+1754 wx**
7403.0	ATP 57	Delhi Meteo, IND	FAX // 4993.5 kHz $

7407.0	CML 5	PTT Habana, CUB	2130-0350 foxes or to New York
7410.0	FDY	FAF Orleans, F	CW
	RAN 72	R Moscow feeder, RU, URS	SSB
7415.0	*WLO*	*Mobile R, AL, USA*	*scheduled*
7420.0	BDF	Shanghai Meteo, CHN	FAX 120/576: 0206-0938 charts
7422.5	'U'	Beacon Murmansk, RU, URS	CW
7423.0	5YD	Nairobi Air, KEN	1501-0444 ry or msgs (KVA)
7425.5	'RFFG'	FF Strasbourg, F	ARQ-E 72 Bd: 1558 msg (IVW)
7426.0	5NL	Lagos Air, NIG	2255-0447 ry
7428.5		TELAM Buenos Aires, ARG	0500+1000+2000-0300 S nx
7442.0	NKW	USN Diego Garcia, DGA	1830 wx + tfc to 3BT
7446.5		It. E El Djaza'ir, ALG	SITOR-A: 1513 tfc to Rome
7449.5		MFA Rome, I	SITOR-A: 0804 msgs (51gs)
7455.0	MKK	RAF London, G	VFT: 0420+1059+1913 ryi COMB
	NGR	USN Kato Soli, GRC	FAX // 3379.5 kHz $
7460.0	LZB	BTA Sofia, BUL	1730 E nx
7460.5		UNID meteo station (289)	2230+2350 wx fm IND, KWT, OMA, PAK, TUR, TZA and URS
7465.0	VJN	RFDS Cairns, QLD, AUS	SSB
7474.0	TJK	ASECNA Douala, CME	1713-0740 ry
7475.0	RXB 75	Khab. Meteo, SE, URS	FAX // 4516.7 kHz $
	'RFFE'	FF Bordeaux, F	ARQ-E 96 Bd: 1246 operational msg to 'RFFC', 1454 msg to 'RFFC' (IBA)
7480.5		VoA Greenvl. fdr., NC, USA	SSB
7483.0	6VU	ASECNA Dakar, SEN	ARQ-M2 96 Bd: A: 0000+0155+2106 svc msgs + msgs to TZH (DBA) B: 0152+0159+0420+0621+0658+2250+2328 msgs (MBB)
7487.5	MKD	RAF Akrotiri, CYP	VFT: 1802-0825 ryi COMB
7490.0	DFG 49	DW Cologne feeder, D	SSB
7495.0	RDK 23	Tbilisi Met., GE, URS	FAX // 3745.0 kHz $
7504.5	GXH	RN/USN Thurso, G	CW
7505.0	5YE	Nairobi Meteo, KEN	100 Bd: 1900-0445 wx
7508.0	ZRO 2	Pretoria Meteo, AFS	FAX // 4014.0 kHz $
7512.0	TZH	ASECNA Bamako, MLI	ARQ-M2 96 Bd: B: 0000 "ch", 0001 svc msg to 6VU, 0020" ch", 0530 msg, 2340 "ch" (BDA)
	XVN	Hanoi Meteo, VTN	1415+1815+1835+2115 ry, wx
7514.5	FDG 21	FAF Cognac, F	CW
7520.0	BZP 57	XINHUA Beijing, CHN	75 Bd: 1400+1700-0300 E nx
7521.1	FDY	FAF Orleans, F	24 h ry
7524.0	TYE	ASECNA Cotonou, BEN	ARQ-M2 96 Bd: A: 0001+0611 msgs, 2045 "ch" (UNA) B: 1740 "ch", 1757 msg, 2040 "ch", 2248 msg
7525.0	RBX 56	ANGOP Moscow, RU, URS	1900+2000 P nx
7530.0	NMF	USCG Boston, MA, USA	FAX // 3242.5 kHz $
	RQM 76	Khab. Meteo, SE, URS	FAX // 3250.0 kHz
7532.0	FSB 55	INTERPOL Paris, F	SITOR-A: 24 h tfc or encrypted tfc CW
7535.0	AXI 33	Darwin Meteo, NT, AUS	FAX // 5755.0 kHz $
7540.0	ROK 28	PTT Moscow, RU, URS	SSB
7541.5	CCM	CN Magallanes, CHL	0155 ry, 2215 ry, clg + msg (51gs) to NQAL
7542.5	ZEN 33	AFP Victoria Island, HKG	1400 F nx, 1600+1800+2000+2100 E nx
7548.0		Kiel, D	ARQ-E 86 Bd: 1316 encrypted tfc
7552.5	5ST 41	Antananarivo Meteo, MDG	0255+0355+1645+1855+1920 wx

7560.0	ROK 27	R Moscow feeder, RU, URS	SSB
7562.0	SOH 256	PAP Warsaw, POL	CW
7564.0	CTP	NATO Lisbon, POR	(hx 3782.0 kHz)
	UMS	Moscow, RU, URS	0000 ry
7565.0	YIX 75	INA Baghdad, IRQ	1300-2000 A nx
7568.0	AJE	USAF Croughton, G	VFT: 75 Bd: 0508+0634+0756+0834 wx
7570.0	OYR	Aasiat R, GRL	CW
	RBX 72	Tashkent Met., UZ, URS	FAX // 3690.0 kHz $
7571.8	AJE	USAF Croughton, G	COMB
7574.0	RCV	SN Moscow, RU, URS	CW
7575.0	RSR 79	Minsk Meteo, BY, URS	FAX // 3810.0 kHz
7576.0	FVA 80	Rosny sur Bois Gendarm., F	CW
7580.0	MKD	RAF Akrotiri, CYP	VFT: 1742-0613 ryi COMB
	RKA 70	PTT Moscow, RU, URS	SSB
	VVD 57	Delhi Meteo, IND	1444-0035 wx
7585.0	6VY 41	Dakar Meteo, SEN	1748-0726 ry or wx
7595.0	ETG 60	Addis Ababa Air, ETH	SSB
7596.0	5UA	ASECNA Niamey, NGR	ARQ-M2 96 Bd: A: 0342+0615+1542+1704+2233 msgs (NUB) B: 0555+0601+0616+1541+1705+1642+2306+2336 msgs (NUA, NUB)
7598.0	IEA 20	IA Rome, I	SSB
7599.0	9KT 262	KUNA Safat, KWT	0800-2000 E nx
7600.0	BAF	Beijing Meteo, CHN	FAX // 3170.0 kHz
	HD 210A	Guayaquil TS, EQA	CW/SSB
7603.0	9KT 262	KUNA Safat, KWT	0700-2100 A nx
7605.0	'RFFA'	MOD Paris, F	ARQ-M2 96 Bd: A: 0800 msg to 'RFTJ'
7610.0	SUA 231	MENA Cairo, EGY	0200+0600+1600+1700 E nx, 1800 F nx, 1900 E nx, 2000 F nx, 2200+2300 E nx
7614.0	5UA	ASECNA Niamey, NGR	1713-0632 ry or msgs (NKA)
7619.0	FUG	FN La Regine, F	75 Bd: 0703-2201 ry or clg or msg to EBA
7623.0		Czech E Bonn, D	75 Bd: 0718+0917 msgs to OMZ
7625.0	HZN 47	Jeddah Meteo, ARS	100 Bd: 1318-0435 ry or wx
7627.0	KWS 78	USE Athens, GRC	CW
7630.0	RNR 78	Rost.-na-D. M., RU,URS	FAX // 3610.0 kHz $
	TTL	ASECNA N'djamena, TCD	0256+0455+2337 ry
7640.0	RST 76	Minsk Meteo, BY, URS	FAX // 3810.0 kHz
7642.1	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: B: 1722 msg or encrypted tfc after "KKKK..." to 'RFQP' (FKN)
7646.0	DDH 7	Hamburg Meteo, D	24 h ry or wx
7649.0	9KT 263	KUNA Safat, KWT	0800-2000 E nx
7650.0	BZR 67	XINHUA Beijing, CHN	75 Bd: 1400+1700-0300 E nx
7651.0		VoA Greenvl. fdr., NC, USA	ISB
7652.0	KKN 44	USE Monrovia, LBR	CW
7653.0	9KT 263	KUNA Safat, KWT	0700-2100 A nx
7655.0	FIT 35	Rennes Prefecture, F	ARQ-E3 100 Bd: 1525 msg to FIT 31 (TLZO)
7656.0		XINHUA Beijing, CHN	FAX // 5815.0 kHz
7657.5	GYA	RN London, G	75 Bd: 2211 foxes
7658.0	YZD	TANJUG Belgrade, YUG	0700-1900+1915+2000+2200-0600 E nx
7659.4	JXZ	NATO Kolsaas, NOR	75 Bd: 0320 clg NAWS
7659.5	FDY	FAF Orleans, F	CW
7660.0	XVT 56	PTT Hanoi, VTN	0005+0030+2358 clg + to HSJ 31
7661.7	HBD 20	MFA Berne, SUI	SITOR-A: 0745 msg (51gs), 0920 msg (F or G press review), 0953 s. off

7661.7	HBD 40	Swiss E Belgrade, YUG	SITOR-A: 1537 msgs to HBD 20
7662.0	KWL 90	USE Manila, PHL	CW
7665.5	AOK	USN Rota, E	FAX // 4704.0 kHz $
7668.7	HBD 20	MFA Berne, SUI	SITOR-A: 1140 tfc to HBD 54
	HBD 54	Swiss E Rome, I	SITOR-A: 1141 msg (5lgs) + tfc to HBD 20
7670.0	RCC 76	Moscow Meteo, RU, URS	FAX // 53.6 kHz $
7676.5	'U'	Beacon Murmansk, RU, URS	CW
7680.0	GXQ	BA London, G	VFT: 24 h ryi COMB
7685.0	RBV 75	Moscow Meteo, RU, URS	24 h ry or wx
7690.0	TUH	ASECNA Abidjan, CTI	1958-0700 ry
		PTT Jibuti, DJI	SSB
7693.0	3BT 3	Vacoas Meteo, MAU	0030+0330+0630+0930+1230+1530+1830 wx
7695.0	3MA 26	CNA Taipei, TAI	0230-0330+0930-1030+1330-1500 E nx
7697.0	9KT 264	KUNA Safat, KWT	0800-2000 E nx
7700.0		Irkutsk Meteo, SE, URS	0103 wx
7701.0	9KT 264	KUNA Safat, KWT	0700-2100 A nx
7701.6	PCW 1	MFA Den Haag, NLD	SITOR-A: 1533 tfc; 1945 final tfc, s. off CW
7705.0	AOK	USN Rota, E	CW
7710.0	MKK	RAF London, G	VFT: 24 h ryi COMB
	VFF	Iqaluit Met., NWT, CAN	FAX // 3253.0 kHz $
7715.0	RCU 71	Novosibirsk Met., SW, URS	1255-0715 ry or wx
7722.5		VoA Ismaning feeder, D	SSB
7723.5	SPW	Warsaw R, POL	SITOR-A: 2109 tts CW
7723.7		MFA Cairo, EGY	SITOR-A: 1547 ATU-A tfc
7724.0	KRH 50	USE London, G	CW
7726.0	FDY	FAF Orleans, F	CW
7744.0	BUA 53	XINHUA Beijing, CHN	ARQ-M4 192 Bd: A: 1700 E nx B: 1700 E nx
7746.7		MFA Cairo, EGY	SITOR-A: 1943 ATU-A tfc
7750.0	RAW 78	Moscow Meteo, RU, URS	FAX // 2815.0 kHz $
7752.5	WFA 57	ITT New York, NY, USA	0130+0404 foxes
7756.0	SUA 34	MENA Cairo, EGY	1500+1600+1700+1900+2100 A nx
7756.2	WFB 37	ITT New York, NY, USA	0024 to Habana, 0238+0404 foxes, 1219+2336 to Habana
7756.3	P2H	Mount Hagen Air, PNG	1052 ry
7756.8		Garoowe, SOM	SSB
		Muqdisho, SOM	SSB
7760.0	RGH 77	Arkhang. Met., RU, URS	24 h ry or wx
7761.8	EAE 220	MFA Madrid, E	SITOR-A: 1306 tfc
7762.0	RGH 77	Arkhangelsk Meteo, RU, URS	FAX 60/576: 0130+1530+1730+1930 chart Russia
7767.5	DFG 76	DW Cologne feeder, D	SSB
7767.8	EAE 220	MFA Madrid, E	SITOR-A: 1134 tfc
7768.5		VoA Greenvl. fdr., NC, USA	SSB
7770.0	GYU	RN Gibraltar, GIB	VFT: ARQ-M2 96 Bd: B: 0304 encrypted tfc COMB
7775.0	ATU 58	MEA Delhi, IND	1500+1600 E nx
	OST	Oostende R, BEL	SITOR-A: 0300 tts CW
7776.5	OST 38	Oostende R, BEL	SITOR-B: 0415+1400+2200 tfc list
7792.0	GYA	RN London, G	75 Bd: 0403+2059 test
7794.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1610 msgs
7795.5	9HA	Luqa Air, MLT	1744-0035 ry

7800.0	9BC 22	IRNA Tehran, IRN	1500-1730 E nx
		CN Barranquilla, CLM	SSB
		CN Cali, CLM	SSB
7802.0	FDY	FAF Orleans, F	0923 ry
7803.5	STK	Khartoum Air, SDN	1547-0659 ry
7805.5	FDY	FAF Orleans, F	CW
7806.0	YZD 7	TANJUG Belgrade, YUG	0000+1700+1800+1915+2200 E nx
7811.7		MFA Cairo, EGY	SITOR-B: 1719-2204 ATU-A msg
7812.5	Y7A 34	MFA Berlin, DDR	0614-2028 ry or tfc GDR-ARQ: 1254 tfc
7815.0	BAA 22	Beijing Meteo, CHN	2343-1057 ry or wx
7816.5	FDI	FAF Aix, F	CW
7817.0	5NK	Kano Air, NIG	2036-0631 ry
7828.0	FDY	FAF Orleans, F	CW
7840.0		In Salah Prefecture, ALG	1625 ATU-A msgs + msgs to El Djaza'ir
7842.4	CNM 20.1X	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
7845.0	SOH 284	PAP Warsaw, POL	0030+1700 E nx
7850.0	ZAA	ATA Tirana, ALB	1100-1245+1700-1845+1900+2100 F nx
7855.0	ROK 24	Moscow Meteo, RU, URS	24 h ry or wx
7863.0	BJZ 21	Wuhan Meteo, CHN	24 h ry or wx
7868.0	6MK 50	YONHAP Soul, KOR	0030+0700 E nx
7870.0		BDA Jilib, SOM	SSB
7873.0	'PHWR'	USAF H. AFB, Honol., HWA	75 Bd: 1730 wx
7875.0	BHO 38	Shanghai, CHN	CW
7879.0	ONY 27	NATO Mons, BEL	CW
7880.0	DDK 3	Hamburg Meteo, D	FAX // 3855.0 kHz $
	Y7K 25	MFA Berlin, DDR	CW
7887.0	BZS 27	XINHUA Beijing, CHN	0000+0100+1800+1900+2000 E nx
	4UZ	UNO Geneva, SUI	75 Bd: 0334-0616 msg to 4US, 2000 ry
7888.0		Merida, MEX	0412 wx
7890.0	ROQ 3	Novosibirsk Met., SW, URS	1323-0649 wx
7891.0	OEC	MFA Vienna, AUT	SI-ARQ 96 Bd: 5 characters: 1300 tfc to OEC 61
	OEC 61	Austrian E Rome, I	SI-ARQ 96 Bd: 5 characters: 1300 msg to OEC
7892.0	9VF 38	NAM Singapore, SNG	FAX 120/576: 1054 Burmese nx (text)
7892.5	SOH 289B	PAP Warsaw, POL	SITOR-B: 1200+1400+1800 Polish nx
	SPW	Warsaw R, POL	SITOR-A: 24 h tts; QSX 8298.1 kHz CW
7894.0	NPN	USN Apra Harbour, GUM	FAX $
	SPW	Warsaw R, POL	SSB
7895.0	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: A: 0243 encrypted tfc after "KKKK..." to 'RFFA', 0305+2035 "controle de voie" to 'RFFA' (REI) B: 0240 "controle de voie" + msgs (wx) + encrypted tfc after "KKKK..." to 'RFFA'; 2035 "controle de voie" to 'RFFA' (REI)
7899.0	9KT 26	KUNA Safat, KWT	(sp 7911.5 kHz)
7902.0	FIT 75	MOI Paris, F	ARQ-E3 100 Bd: 0937+1620+1633+1906 msg to FIT 13 (MAZ)
7904.5	'K'	Beacon Khabarovsk, SE, URS	CW
7910.0	RCW 79	Alma Ata Meteo, KA, URS	FAX 60/288: 0145+1655+2255 chart Kazakhstan
7910.5		MFA Rome, I	SITOR-A: 0700+0735 msgs (5lgs), 1139 msg

7910.8	HAM	Budapest Air, ALB	CW
	ZAT	Tirana Air, ALB	CW
7911.5	**9KT 26**	**KUNA Safat, KWT**	**0800-2000 E nx**
7913.0	**9JZ**	**Lusaka Air, ZMB**	**0355 tfc to 'FLLI', 0406 ry**
7915.5	**9KT 26**	**KUNA Safat, KWT**	**0700-2100 A nx**
7917.5	DFG 91	DW Cologne feeder, D	SSB
7922.0	**5UA**	**ASECNA Niamey, NGR**	**ARQ-M2 96 Bd: A: 0212+2143 msgs (NDA, NDB)** **B: 2340 "ch" (NDA)**
7923.0	**BPJ 34**	**XINHUA Beijing, CHN**	**ARQ-M2 96 Bd: A: 1500 F nx, 1930+2318 ry** **B: 1938 ry** **ARQ-M4 192 Bd: A: 1445+1728 ry** **B: 1828 ry, 1830 E nx**
7924.0	**9KT 26**	**KUNA Safat, KWT**	**(sp 7911.5 kHz)**
7925.0	ROK 22	R Moscow feeder, RU, URS	ISB
7926.0	EBC	SN Cadiz, E	CW
7934.0	**VDD**	**CF Debert, NS, CAN**	**VFT: 75 Bd: 0442 foxes without ID**
7939.5	**VDD**	**CF Debert, NS, CAN**	**// 7934.0 kHz**
7954.5	**LRN 85**	**DyN Buenos Aires, ARG**	**75 Bd: 1100+1900-0400 S nx**
7955.0	**HSJ 31**	**CAT Bangkok, THA**	**2343-2359 clg Hanoi**
7958.0	**AOK**	**USN Rota, E**	**75 Bd: 0045+0149+0445 foxes without ID**
7959.0	**9BC 23**	**IRNA Tehran, IRN**	**1500-1730+1900-2030 E nx, 2030-2200 A nx**
7960.0	**MKD**	**RAF Akrotiri, CYP**	**VFT: 2002-0857 ryi** COMB
7967.5	RFU 7	Rost.-na-D. M., RU, URS	FAX // 3610.0 kHz $
7972.0	**XVN**	**Hanoi Meteo, VTN**	**1515+1815+2115 ry, wx**
7973.5	**SPW**	**Warsaw R, POL**	**SITOR-A: 0151-2125 tts; QSX 8328.5 kHz** CW
7975.0	SPW	Warsaw R, POL	SSB
7980.0	**Y3I**	**Potsdam Meteo, DDR**	**100 Bd: 24 h ry or wx**
7990.5	**5HD**	**Dar es Salaam Air, TZA**	**0343+0358+0407 ry**
7996.0	**YZD 9**	**TANJUG Belgrade, YUG**	**0300+1700 E nx**
7997.0	**SOH 299**	**Warsaw Meteo, POL**	**24 h ry or wx**
7998.0	**FDY**	**FAF Orleans, F**	**0825-1636 ry**
8000.0	FDY	FAF Orleans, F	CW
	JJY	Tokyo TS, J	COMB
8001.0	SOI 200	PAP Warsaw, POL	CW
8003.0	**'RFFX'**	**FF Versailles, F**	**ARQ-E 72 Bd: 0326+0415+1846 msg to 'RFFXL' (XXL)**
8005.0	RCD 33	R Moscow feeder, RU, URS	ISB
8005.5	**HSD**	**Bangkok Air, THA**	**0812 msgs**
8010.0	PBC 5	DN Goeree Island, NLD	CW
8012.3	**EAE 220**	**MFA Madrid, E**	**SITOR-A: 0714 tfc**
8014.6	**LBL 1**	**Norwegian UNIFIL Beirut, LBN**	**SITOR-A: 1850 msgs + tfc to LBL**
8017.5	**IBA**	**USN Napoli, I**	**75 Bd: 1835 foxes**
8020.0	**HMF 85**	**KCNA Pyongyang, KRE**	**1800-2100 E nx**
8022.3	**FTI 2H1**	**AFP Paris, F**	**1600-0700 A nx**
8023.7	**FTI 2H3**	**AFP Paris, F**	**1200+1600-0600 F nx**
8030.0	**IRF 50**	**ANSA Rome, I**	**0800 E nx, 0900 F nx, 1000+1100+1200+1300 E nx, 1400 F nx, 1500 E nx, 1600 F nx, 1800 E nx**
	LOL	AN Buenos Aires TS, ARG	CW
8030.3	**5UA**	**ASECNA Niamey, NGR**	**1730-0451 ry or msgs (NBA)**
8040.0	**BZC 75**	**Urumqi Meteo, CHN**	**0038-0411 ry or wx**
	GFA 23	Bracknell Meteo, G	FAX // 3289.5 kHz $
	ROK 21	R Moscow feeder, RU, URS	SSB

8045.0	FSB	INTERPOL Paris, F	SITOR-A: 0002+1124+1251+1318+1800 tfc CW
	IUV 81	INTERPOL Rome, I	SITOR-A: 0820+0835+1035 msgs + tfc
8047.5	IRF 20	ANSA Rome, I	1700+1800 E nx
8047.6	JXZ	NATO Kolsaas, NOR	75 Bd: 0948 clg NAWS, 1555 foxes
8049.0	9BC 25	IRNA Tehran, IRN	1730-1900 A nx, 1900-2030 E nx, 2030-2200 A nx
8050.0	FDY	FAF Orleans, F	CW
8051.5	WOO	Ocean Gate R, NJ, USA	SITOR-B: 2220-1225 test or tfc list or wx
8055.0	LZA 2	PTT Sofia, BUL	2050+2103 clg Beijing
8060.0	RAW 71	TASS Moscow, RU, URS	0430+0500 E nx
8062.0	IRF 80	ANSA Rome, I	0800 E nx, 0900 F nx, 1000+1100+1200+1500 E nx, 1600 F nx, 1800+1900 E nx, 2000 F nx
8070.0	FDY	FAF Orleans, F	CW
	ZRH	SAN Capetown, AFS	75 Bd: 0008+0022+0153 clg NMN
8071.3	AWD	Delhi Air, IND	0026-0256+1534+1544 ry or msgs (IKA)
8077.5	'U'	Beacon Murmansk, RU, URS	CW
8080.0	NAM	USN Norfolk, VA, USA	FAX // 3357.0 kHz $
8081.0	SOI 208	PTT Warsaw, POL	1454 ry, to Beijing, 2105 ry
		R Moscow feeder, RU, URS	SSB
8082.2	'U'	Beacon Murmansk, RU, URS	CW
8083.0	RIJ 75	Tashkent Met., UZ, URS	FAX // 3280.0 kHz $
8085.0	RVL 21	Khabarovsk Met., SE, URS	1325-0200 ry or wx
8090.0	NAM	USN Norfolk, VA, USA	CW
8094.7	'RFFVA'	FAF Paris, F	ARQ-M2 200 Bd: A: 0158+2238 tfc
8097.5	HVD	PTT Vatican City, CVA	ARQ-M2 96 Bd: A: 0820 opening svc msg to CUA 44; 1109+1452 to CUA 44 (VAP) B: 0819 ry

8100.0 - 8195.0 FIXED + MARITIME MOBILE

8100.0	Y2N 50	Berlin, DDR	0838 ry
8101.0		coast + ship stns., ch 1	SSB
	RLO	Leningrad, RU, URS	CW
	STK	Khartoum Air, SDN	1459-0620 ry or msgs (SEA)
8101.7	EAE 220	MFA Madrid, E	SITOR-A: 1319 tfc
8104.0		coast + ship stns., ch 2	SSB
8105.0		MFA Tunis, TUN	0840 A msg, s. off
8107.0		coast + ship stns., ch 3	SSB
	OFA	*Helsinki R, FNL*	*scheduled; QSX 8346.5 kHz*
8107.6	'RFQP'	FF Jibuti, DJI	ARQ-M2 96 Bd: A: 1440-0523 msgs or encrypted tfc after "KKKK..." or "controle de voie" to 'RFFA' (QPB) B: 1438-0524 msgs or msg (5lgs) or encrypted tfc after "KKKK..." to 'RFFA' (QPA)
8110.0		coast + ship stns., ch 4	SSB
	IER 20	IFG Rome, I	1003 tfc + msg to IER 50
8113.0		coast + ship stns., ch 5	SSB
8116.0		coast + ship stns., ch 6	SSB
8117.0	BMB	Taipei Meteo, TAI	CW
8119.0		coast + ship stns., ch 7	SSB
8122.0		coast + ship stns., ch 8	SSB

8122.0	BAF 36	Beijing Meteo, CHN	FAX // 5527.0 kHz $
8122.8	**TNL**	**ASECNA Brazzaville, COG**	**1801-0700 ry or msg**
8125.0		coast + ship stns., ch 9	SSB
	RDZ 79	R Moscow feeder, RU, URS	ISB
8127.0	**XVI**	**Hanoi Air, VTN**	**(sp 8134.0 kHz)**
8128.0		coast + ship stns., ch 10	SSB
8130.5	**DFH 23L2**	**DW Cologne, D**	**1049 s. on with ry, 1125 to Cyclops**
	FDI	FAF Aix, F	CW
		El Meridj Prefect., ALG	**1430 msgs to Tebessa**
8131.0		coast + ship stns., ch 11	SSB
8132.0	**DFH 23**	**PIAB Bonn, D**	**FEC-A 96 Bd: 0545-0745+1345-1445 G nx**
8134.0		coast + ship stns., ch 12	SSB
	XVI	**Hanoi Air, VTN**	**0034 msgs, 0817 ry**
8134.5		**Italian E Tripoli, LBY**	**SITOR-A: 0843 msg to Rome**
8135.5	'U'	Beacon Murmansk, RU, URS	CW
8136.5	**'HVQ 20'**	**VNA Hanoi, VTN**	**0000+1000 V nx, 1100 F nx, 1130 V nx**
8137.0		coast + ship stns., ch 13	SSB
8137.5	**TCY 1**	**AA Ankara, TUR**	**1330 F nx, 1400 Turkish nx, 1500 E nx**
8140.0		coast + ship stns., ch 14	SSB
	CLN 219	**PL Habana, CUB**	**0800+0900 E nx**
	FDY	FAF Orleans, F	CW
	RNN 51	**TASS Moscow, RU, URS**	**0430+0500 E nx**
	9VF 44	JIJI Singapore, SNG	FAX // 6820.0 kHz
8141.0	**XVI**	**Hanoi Air, VTN**	**(sp 8134.0 kHz)**
8143.0		coast + ship stns., ch 15	SSB
8143.5	'K'	Beacon Khabarovsk, SE, URS	CW
8145.0	**EIP**	**Shannon Air, IRL**	**0938+1215 ry, 1300+1658 msgs (SMA)**
8146.0		coast + ship stns., ch 16	SSB
8146.6	IMB 55	Rome Meteo, I	FAX // 4777.5 kHz $
8148.0	OVG 8	DM Frederikshavn, DNK	CW
8149.0		coast + ship stns., ch 17	SSB
8150.0	NRV	USCG Apra Harbour, GUM	CW
	UKS	SAM Barentsb., Spbgn., NOR	CW
		Murmansk, RU, URS	**0706 R telex wtsca**
8152.0		coast + ship stns., ch 18	SSB
	HMF 86	**KCNA Pyongyang, KRE**	**1000 E nx, 1145+1200 F nx, 1800 E nx**
8154.0	**SNN 299**	**MFA Warsaw, POL**	**75 Bd: 0552-0830+1549+1605 ry or msgs or msg (5fgs)**
8155.0		coast + ship stns., ch 19	SSB
	MKD	**RAF Akrotiri, CYP**	**VFT: 1638-0609 ryi** COMB
8157.5	'K'	Beacon Khabarovsk, SE, URS	CW
8158.0		coast + ship stns., ch 20	SSB
8161.0		coast + ship stns., ch 21	SSB
8164.0		coast + ship stns., ch 22	SSB
8165.0	VNZ	RFDS Port Augusta, SA, AUS	SSB
	5YD	**Nairobi Air, KEN**	**1446-0534 ry or msgs (KSA)**
8167.0		coast + ship stns., ch 23	SSB
8167.5	LQB 9	Buenos Aires TS, ARG	CW
8170.0		coast + ship stns., ch 24	SSB
	GKX 41	Portishead Air, G	SSB
8171.0	VNZ	RFDS Port Augusta, SA, AUS	SSB
8171.5	**IPR 24**	**Bologna Police, I**	**SITOR-A: 1328 msg**
8173.0		coast + ship stns., ch 25	SSB
8175.0	**HMX 33**	**PTT Pyongyang, KRE**	**0840+0854 ry**
	JAE 58	**KYODO Tokyo, J**	**0000-0100+0240-0410+1220-1250 E nx**

8175.0	**'DOR'**	**MFA Sofia, BUL**	**75 Bd: 0814 msgs to Vienna, 1120 msg + tfc, 1326 encrypted msgs + tfc to Bonn**
8176.0		coast + ship stns., ch 26	SSB
8177.0	**BAC 38**	**PTT Beijing, CHN**	**1545-1828 ry or clg Prague**
8179.0		coast + ship stns., ch 27	SSB
8180.0	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW
8182.0		coast + ship stns., ch 28	SSB
8185.0		coast + ship stns., ch 29	SSB
	GKX ..	Portishead Air, G	SSB
8188.0		coast + ship stns., ch 30	SSB
8189.0	TBO	TN Izmir, TUR	CW
8190.0	**BLM 22**	**Chengdu Meteo, CHN**	**0041-1036 ry or wx**
8191.0		coast + ship stns., ch 31	SSB
8192.5	**SOI 219**	**PAP Warsaw, POL**	**1600 E nx**
8194.0	FDY	FAF Orleans, F	CW

8195.0 - 8815.0 MARITIME MOBILE < 500A 500B 501 520B 529A >

8195.0		ship stations, ch 801	SSB	QSX 8718.9 kHz
8198.1		ship stations, ch 802	SSB	QSX 8722.0 kHz
8201.2		ship stations, ch 803	SSB	QSX 8725.1 kHz
8204.3		ship stations, ch 804	SSB	QSX 8728.2 kHz
	OED	DDSG Vienna R, AUT		
8207.4		ship stations, ch 805	SSB	QSX 8731.3 kHz
8210.5		ship stations, ch 806	SSB	QSX 8734.4 kHz
8211.3		**Arica, CHL**	**SITOR-A: 0200 msgs**	
8213.6		ship stations, ch 807	SSB	QSX 8737.5 kHz
	WCM	Withamsville R, OH, USA		
8216.7		ship stations, ch 808	SSB	QSX 8740.6 kHz
8219.8		ship stations, ch 809	SSB	QSX 8743.7 kHz
8222.9		ship stations, ch 810	SSB	QSX 8746.8 kHz
8226.0		ship stations, ch 811	SSB	QSX 8749.9 kHz
8229.1		ship stations, ch 812	SSB	QSX 8753.0 kHz
8232.2		ship stations, ch 813	SSB	QSX 8756.1 kHz
8235.3		ship stations, ch 814	SSB	QSX 8759.2 kHz
8238.4		ship stations, ch 815	SSB	QSX 8762.3 kHz
8241.5		ship stations, ch 816	SSB	QSX 8765.4 kHz
8244.6		ship stations, ch 817	SSB	QSX 8768.5 kHz
8247.7		ship stations, ch 818	SSB	QSX 8771.6 kHz
8250.8		ship stations, ch 819	SSB	QSX 8774.7 kHz
8253.9		ship stations, ch 820	SSB	QSX 8777.8 kHz
8257.0		ship stations, ch 821 *(worldwide calling frequency)*	SSB	QSX 8780.9 kHz
8260.1		ship stations, ch 822	SSB	QSX 8784.0 kHz
8263.2		ship stations, ch 823	SSB	QSX 8787.1 kHz
8266.3		ship stations, ch 824	SSB	QSX 8790.2 kHz
8268.4		Libreville Port R, GAB	SSB	
8269.4		ship stations, ch 825	SSB	QSX 8793.3 kHz
8272.5		ship stations, ch 826	SSB	QSX 8796.4 kHz
8275.6		ship stations, ch 827	SSB	QSX 8799.5 kHz
8278.7		ship stations, ch 828	SSB	QSX 8802.6 kHz
8281.2	HOR 24	REFPA Panama R, PNR	SSB	
		Port of Spain R, TRD	SSB	
		Roseau Port R, DMA	SSB	
8281.8		ship stations, ch 829	SSB	QSX 8805.7 kHz
8284.9		ship stations, ch 830	SSB	QSX 8808.8 kHz
8288.0		ship stations, ch 831	SSB	QSX 8811.9 kHz
8291.0	*worldwide*	*distress and safety freq.*	SSB	
8291.1	*worldwide*	*coast and ship stations simplex frequency*	SSB	

8294.2	worldwide	coast and ship stations simplex frequency	SSB
8297.6		ship stations, non-paired ship stations	 QSX 8496.5 kHz (GKS 4)
8298.1		ship stations, non-paired ship stations	 QSX 7892.5 kHz (SPW)
8298.6		ship stations, non-paired	
8299.1		ship stations, non-paired	
8299.6		ship stations, non-paired ship stations	 QSX 8556.0 kHz (SAB 44)
8310.0	'92 NTX'	UNID SN station (789)	75 Bd: 0252 ry, clg '98 DDX'
8328.5		ship stations	QSX 7973.5 kHz (SPW)
8334.0	GYA	RN London, G	FAX $
8344.0		ship stations, series 1	QSX 8705.0 kHz
8344.5		ship stations, series 2	QSX 8705.5 kHz
8345.0		ship stations, series 3	QSX 8706.0 kHz
8345.5		ship stations, series 4	QSX 8706.5 kHz
8346.0		ship stations, series 5	QSX 8707.0 kHz
8346.5		ship stations, series 6 ship stations	QSX 8707.5 kHz QSX 8107.0 kHz (OFA)
8347.0		ship stations, series 7	QSX 8708.0 kHz
8347.5		ship stations, series 8	QSX 8708.5 kHz
8348.0		ship stations, series 9	QSX 8709.0 kHz
8348.5		ship stations, series 10	QSX 8709.5 kHz
8349.0		ship stations, series 11	QSX 8710.0 kHz
8349.5		ship stations, series 12	QSX 8710.5 kHz
8350.0		ship stations, series 13	QSX 8711.0 kHz
8350.5		ship stations, series 14	QSX 8711.5 kHz
8351.0		ship stations, series 15	QSX 8712.0 kHz
8351.5		ship stations, series 16	QSX 8712.5 kHz
8352.0		ship stations, series 17	QSX 8713.0 kHz
8352.5		ship stations, series 18	QSX 8713.5 kHz
8353.0		ship stations, series 19	QSX 8714.0 kHz
	'74 DEL'	SN Gerona, E	75 Bd: 1800 encrypted msg, tfc
8353.5		ship stations, series 20	QSX 8714.5 kHz
8354.0		ship stations, series 21	QSX 8715.0 kHz
8354.5		ship stations, series 22	QSX 8715.5 kHz
8355.0		ship stations, series 23	QSX 8716.0 kHz
8355.5		ship stations, series 24	QSX 8716.5 kHz
8356.0		ship stations, series 25	QSX 8717.0 kHz
8356.5		ship stations, series 26	QSX 8717.5 kHz
8357.0		ship stations, series 27	QSX 8718.0 kHz
8357.5		ship stations, non-paired	
8360.4		ship stations calling, ch 1	CW
8361.2		ship stations calling, ch 2	CW
8362.0		ship stations calling, ch 3	CW
8362.8		ship stations calling, ch 4	CW
8363.6		ship stations calling, ch 5	CW
8364.0		ship stations calling, ch 6	CW
	worldwide	survival craft stations fq.	SSB
8365.2		ship stations calling, ch 7	CW
8366.0		ship stations calling, ch 8	CW
8366.8		ship stations calling, ch 9	CW
8367.6		ship stations calling, ch 10	CW
8368.4		ship stations calling, ch 11	CW
8369.2		ship stations calling, ch 12	CW
8370.0		ship stations calling, ch 13	CW
8370.8		ship stations calling, ch 14	CW
8371.6		ship stations calling, ch 15	CW
8372.4		ship stations calling, ch 16	CW
8373.2		ship stations calling, ch 17	CW
8374.0		ship stations calling, ch 18	CW

8375.5	*worldwide*	*ship stations DSC freq.*	
8376.5	*worldwide*	*NBDPT distr. and safety f.*	
8391.0	**'99 GDH'**	**SN Cartagena, E**	**100 Bd: 1525 ry**
8395.5		**ship stations**	**QSX 9402.5 kHz (OST)**
8414.5	*worldwide*	*DSC distress and safety f.*	
8416.5	*worldwide*	*NBDPT MSI frequency*	
8436.0	DSB	Pusan F R, KOR	CW
	UCO	Yalta R, UK, URS	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
8436.5	ZSD 50	Durban R, AFS	CW
8437.0	JOS	Nagasaki R, J	CW
	PKC	Palembang R, INS	CW
	PKN	Balikpapan R, INS	CW
	PKY 2	Biak R, INS	CW
	4XZ	IN Haifa, ISR	CW
	7TA 6	El Djaza'ir R, ALG	CW
	7TF	Skikda R, ALG	CW
8438.0	UNQ	Novorossiysk R, RU, URS	CW
	9WH	Kota K. R, Sabah, MLA	CW
8439.0	DZD 9	Quezon City R, PHL	CW
	PBC 38	**DN Goeree Island, NLD**	**75 Bd: 24 h ry**
8440.0	VCS	CCG Halifax, NS, CAN	CW
	YIR	Basrah Control R, IRQ	CW
8440.6	UAT	Moscow R, RU, URS	CW
8441.0	C6N	Nassau R, BAH	CW
	XYR 7	Yangon R, MYA	CW
	9YL	North Post R, TRD	CW
	'78 IJU'	**SN Madrid, E**	**100 Bd: 0130+0930+1830 wx**
8441.4	5ZF 2	Mombasa R, KEN	CW
	70A	Aden R, YMS	CW
	9HD	Valetta R, MLT	CW
8442.0	SXA 36	GN Piraeus, GRC	CW
8443.0	DYE 6	Cebu R, PHL	CW
	VFF	CCG Iqaluit, NWT, CAN	CW
	Y5M	Rügen R, DDR	CW
8444.5	KFS	San Francisco R, CA, USA	CW
8445.0	A4M	Muscat R, OMA	CW
	KFS	San Francisco R, CA, USA	CW
	PK. .	many R stations, INS	CW
	S7Q	Victoria R, Mahe, SEY	CW
	WLO	Mobile R, AL, USA	CW
	XSX	Keelung R, TAI	CW
	YUR 4	Rijeka R, YUG	CW
	9PA	Banana R, ZAI	CW
8445.5	WLO	Mobile R, AL, USA	CW
8446.0	UFM 3	Nevelsk R, FE, URS	CW
	UNR 7	Severo-Kuril'sk R, FE, URS	CW
	UQK	**Riga R, LA, URS**	**0015 R tts wtsca** CW
8447.0	DZC 4	Makati R, PHL	CW
	L2C	Buenos Aires R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
8448.0	A9M	Hamala R, BHR	CW
8449.0	LPC 46	Ushuaia R, ARG	CW
	TJC 6	Douala R, CME	CW
	ZKR	Avarua R, Rarotga. I., CKH	CW
	ZSC 22	Capetown R, AFS	CW
	8RB	Demerara R, GUY	CW
8449.3	8PO	Bridgetown R, BRB	CW
8449.4	VRT	Hamilton R, BER	CW
8450.0	SUZ 4	Serapeum R, EGY	CW
	5AB	Benghazi R, LBY	CW

8450.0	6YX	JCG Kingston, JMC	CW
8451.0	D.. .	many R stations, PHL	CW
	HAR	Budapest R, HNG	CW
	UBF 2	Leningrad R, RU, URS	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
	XSG 4	Shanghai R, CHN	CW
8452.0	VIS 35	Sydney R, NSW, AUS	CW
8452.5	PPO	Olinda R, B	CW
8453.0	CBV	DGTMMM Valparaiso R, CHL	CW
	HWN	FN Paris, F	CW
	TNA 8	Pointe-Noire R, COG	CW
	VAI	CCG Vancouver, BC, CAN	CW
	XSM	Xiamen R, CHN	CW
8454.0	A9M	Hamala R, BHR	CW
	UJY	**Kaliningrad R, RU, URS**	**24 h ry or R tts wtsca; QSX 12624.0 kHz**
8454.5	SVG 4	Athens R, GRC	FAX 120/576: 0845 test, 0849 ASMM LGMC 0000, 0903 surface prognosis CW
8455.0	XSQ	Guangzhou R, CHN	CW
8456.0	ROT	SN Moscow, RU, URS	CW
8457.0	EDG 3	Aranjuez R, E	CW
	LSA 4	Boca R, ARG	CW
	OFJ 82	Helsinki R, FNL	CW
	PKG	Banjarmasin R, INS	CW
	PKP	Dumai R, INS	CW
	PKY 5	Merauke R, INS	CW
	XSP	Shantou R, CHN	CW
8458.0	HAR	Budapest R, HNG	CW
	'78 IJU'	**SN Madrid, E**	**100 Bd: 0314+0407+0733+0813+ 1121 clg '75 RQA', 2114 msg, 2336 clg '75 RQA'**
8459.0	NOJ	USCG Kodiak, ALS	FAX // 4298.0 kHz $
	XSH 48	Dandong R, CHN	CW
	YQI 4	Constanta R, ROU	CW
8460.0	LZW 4	Varna R, BUL	CW
	PPJ	Juncao R, B	CW
8460.5	PPJ	Juncao R, B	CW
	PPL	Belem R, B	CW
8461.0	CBV	DGTMMM Valparaiso R, CHL	CW
	FJA 8	Papeete R, Tahiti, OCE	CW
	PKD	Surabaya R, INS	CW
	PKR	Semarang R, INS	CW
	PKY 4	Sorong R, INS	CW
	YVG	La Guayra R, VEN	CW
	ZSC 42	Capetown R, AFS	CW
8461.5	5OZ 23	Port Harcourt R, NIG	CW
8462.0	PPL	Belem R, B	CW
	SVU 4	**Athens R, GRC**	**SITOR-A: 1750-0012 tts** **SITOR-B: 0300 Greek nx** CW
8463.0	CKN	CF Vanvouver, BC, CAN	CW
	JOU	Nagasaki R, J	CW
	Y5M	Rügen R, DDR	CW
8465.0	NMN	USCG Portsmouth, VA, USA	CW
	OBC 3	Callao R, PRU	CW
	TUA 4	Abidjan R, CTI	CW
	UMZ	Valentin R, SE, URS	CW
	5BA	Nicosia R, CYP	CW
	5RS	Toamasina R, MDG	CW
	6YI	Kingston R, JMC	CW

8465.0	**'78 IJU'**	**SN Madrid, E**	**100 Bd: 1725 encrypted msg**
8466.0	DSD	Yosu F R, KOR	CW
	HAR	Budapest R, HNG	CW
	HSC 62	Bangkok Port R, THA	CW
	UJY	Kaliningrad R, RU, URS	CW
8467.5	JJC	Tokyo R, J	FAX // 4316.0 kHz
8469.0	CUL 8	Lisbon R, POR	CW
	D4A 6	Mindelo R, S. Vicente, CPV	CW
	D4D	Praia R, Santiago, CPV	CW
	EQ.	many R stations, IRN	CW
	XXG	Macao R, MAC	CW
8470.0	XFL	Mazatlan R, MEX	CW
	XVG 9	Hai Phong R, VTN	CW
8471.0	EQZ	IORC Abadan R, IRN	CW
	NMN	USCG Portsmouth, VA, USA	CW
	UXN	**Arkhangelsk R, RU, URS**	**SITOR-A: 1328+1727+1931 R tts wtsca**
			CW
8472.0	LZL 4	Bourgas R, BUL	CW
	TEC	Puntarenas R, CTR	CW
	YKI	SCOTC Tartus R, SYR	CW
8473.0	EDF 3	Aranjuez R, E	CW
	HLG	Soul R, KOR	CW
	PKE	Amboina R, INS	CW
	PKS	Pontianak R, INS	CW
	SUP	Port Said R, EGY	CW
	UNM 2	Klaipeda R, LI, URS	CW
	WPD	Tampa R, FL, USA	CW
	4PB	Colombo R/TS, SLK	CW
8473.5	A7D	Doha R, QAT	CW
	WLO	Mobile R, AL, USA	CW
8474.0	**EBA**	**SN Madrid, E**	**75 Bd: 1812 ry**
	HCG	Guayaquil R, EQA	CW
	'98 DDX'	**SN Madrid, E**	**75 Bd: 0245 ry, clg '92 NTX'**
8474.5	WLO	Mobile R, AL, USA	CW
8475.5	FUX	FN Le Port, REU	CW
8476.0	DUF	Manila R, PHL	CW
	GYU	**RN Gibraltar, GIB**	**75 Bd: 0430 clg + msg to 'IAJV'**
	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	UAH	Tallinn R, ES, URS	CW
	9VG 56	Singapore R, SNG	CW
8478.0	CBV	DGTMMM Valparaiso R, CHL	CW
	OST 4	Oostende R, BEL	CW
	TIM	Limon R, CTR	CW
	UMS	Moscow, RU, URS	CW
	VIX 4	RAN Canberra, ACT, AUS	CW
8478.5	FUF	FN Fort de France, MRT	CW
8479.0	JCU	Choshi R, J	CW
8480.0	HZY	ARAMCO Ras Tanura R, ARS	CW
	PW.	many BN stations, B	CW
	TIM	Limon R, CTR	CW
	XUK 3	Kompong Som Ville R, KMP	CW
	5AL	ARGOIL Tobruk R, LBY	CW
8481.0	PPL	Belem R, B	CW
8482.0	OMP 41	Prague R, TCH	CW
	SPH 41	Gdynia R, POL	CW
8483.5	DAN	Norddeich R, D	CW
8484.0	DUS	Manila R, PHL	CW
	HLJ	Soul R, KOR	CW
8484.5	HZG	Dammam R, ARS	CW
	XSE	Qinhuangdao R, CHN	CW

8485.0	4XO	Haifa R, ISR	CW
8486.0	IDQ	IN Rome, I	CW
8487.0	VID	Darwin R, NT, AUS	CW
	XSG 26	Shanghai R, CHN	CW
8488.0	DUN	PN Manila, PHL	CW
8489.0	CLS	Habana F R, CUB	CW
8490.0	AQP 5	PN Karachi, PAK	CW
	CUL 7	Lisbon R, POR	CW
	NMF	**USCG Boston, MA, USA**	**SITOR-B: 0200+1700 wx, schedule**
	OBF 4	Mollendo R, PRU	CW
	XSQ 4	Guangzhou R, CHN	CW
	5OZ 23	Port Harcourt R, NIG	CW
8492.0	JNA	JN Tokyo, J	CW
	PPR	Rio de Janeiro R, B	CW
	9MG 2	Georgetown R, Pin. I., MLA	CW
8493.0	TBA 4	TN Ankara, TUR	CW
8494.0	NUD	USN Adak, ALS	FAX // 2122.0 kHz $
	PPO	Olinda R, B	CW
8494.6	GZZ 40	RN London, G	FAX // 2813.6 kHz $
			CW
8496.0	CLA 20	Habana R, CUB	CW
	DUW	Manila R, PHL	CW
	5OZ 23	Port Harcourt R, NIG	CW
8496.5	*GKS 4*	*Portishead R, G*	*scheduled; QSX 8297.6 kHz*
8497.0	HLJ	Soul R, KOR	CW
8497.5	PPJ	Juncao R, B	CW
8498.0	SAG 4	Goeteborg R, S	CW
8499.0	PPR	Rio de Janeiro R, B	CW
8500.0	ROT	SN Moscow, RU, URS	CW
	'RBSL'	**IN Bombay, IND**	**1522-0232 ry or wx**
8502.0	IQX	Trieste R, I	CW
	NIK	USCG Boston, MA, USA	FAX 120/576: 1600 ice chart
			CW
	NMF	**USCG Boston, MA, USA**	**SITOR-B: 1200 wx**
	PPL	Belem R, B	CW
	XSG	Shanghai R/TS, CHN	CW
	YJM 8	Port-Vila R, Efate I., VUT	CW
	ZSC 37	Capetown R, AFS	CW
8504.0	DYD 8	Bacolod R, PHL	CW
	TBO 4	TN Izmir, TUR	CW
	ZLB 4	Awarua R, NZL	CW
8505.0	XFK	La Paz R, MEX	CW
8505.8	XSX	Keelung R, TAI	CW
8506.0	UDH	Riga R, LA, URS	CW
8508.0	KLC	Galveston R, TX, USA	CW
	RIW	SN Khiva, UZ, URS	CW
8509.0	**'RFFX'**	**FF Versailles, F**	**ARQ-E 72 Bd: 0202+0738 msg to 'RFFXI', 2057 encrypted tfc after "KKKK..." to 'RFFXI' (XXI)**
8510.0	FFS 4	Saint Lys R, F	CW
	J2A 8	Jibuti R, DJI	CW
	UKK 3	Nakhodka R, SE, URS	CW
	VWV	Vishakhapatnam R, IND	CW
8511.0	XSW	Kaohsiung R, TAI	CW
8511.9	DAL	Norddeich R, D	CW
8512.0	DZY 7	Manila R, PHL	CW
8512.7	VHI 4	RAN Perth, WA, AUS	CW
8514.0	LPD 44	General Pacheco R, ARG	CW
	VWB	Bombay R, IND	CW
	WLO	**Mobile R, AL, USA**	**SITOR-B: H+35 tfc list, wx**
			CW
	XFA	Acapulco R, MEX	CW

8514.0	XSQ	Guangzhou R, CHN	CW
8515.0	P2M	Port Moresby R, PNG	CW
	P2R	Rabaul R, PNG	CW
	UFL	Vladivostok R, SE, URS	CW
	URL	Sevastopol' R, UK, URS	CW
	5AT	Tripoli R, LBY	CW
8516.0	CLS	Habana F R, CUB	CW
	GKC 4	Portishead R, G	CW
8516.1	**JXZ**	**NATO Kolsaas, NOR**	**0001 ry**
8516.3	SXE	HCG Elevsis, GRC	CW
8518.0	ELC	Monrovia R, LBR	CW
8520.0	DZB 7	Malabon R, PHL	CW
	UFB	**Odessa R, UK, URS**	**0911 ry** CW
	UFL	Vladivostok R, SE, URS	CW
8520.1	PPO	Olinda R, B	CW
8521.0	VIS 26	Sydney R, NSW, AUS	CW
8522.0	CBV	DGTMMM Valparaiso R, CHL	CW
	9WW 20	Kuching R, Sarawak, MLA	CW
8522.5	FFL 4	Saint Lys R, F	CW
8523.0	RIW	SN Khiva, UZ, URS	CW
8523.4	JOR	Nagasaki R, J	CW
8523.5	CTW 8	PN Lisbon, POR	CW
8524.0	DZW	Manila R, PHL	CW
8525.0	WNU	Slidell R, LA, USA	CW
	9KK 6	Safat R, KWT	CW
8526.0	VWC	Calcutta R, IND	CW
8526.5	**CTW 8**	**PN Lisbon, POR**	**75 Bd: 0000+0600+0800+1800+2000+2100 wx**
8527.0	OBY 2	Paita R, PRU	CW
8527.5	LFN	Rogaland R, NOR	CW
8528.0	JYO	Aqaba R, JOR	CW
	L2E	Buenos Aires R, ARG	CW
	L2S	Mar del Plata R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
8528.5	EBA	SN Madrid, E	CW
	UFB	Odessa R, UK, URS	CW
8529.0	PPR	Rio de Janeiro R, B	CW
8530.0	**AOK**	**USN Rota, E**	**75 Bd: 0642 foxes without ID**
	IAR 28	Rome R, I	CW
	PWZ	BN Rio de Janeiro, B	CW
	SVJ 4	Athens R, GRC	CW
	UIB 2	Magadan R, FE, URS	CW
	XSK	Beihai R, CHN	CW
	9VG 25	Singapore R, SNG	CW
8532.0	DSQ	Inchon F R, KOR	CW
	LZW 42	Varna R, BUL	CW
8534.0	EQL	Anzali R, IRN	CW
	EQO	Nowshahr R, IRN	CW
	J..	many R stations, J	CW
	ZPK	Asuncion R, PRG	CW
	3VP 7	Sakhira R, TUN	CW
8535.0	UTA	Tallinn R, ES, URS	CW
8536.0	DVY 2	Manila R, PHL	CW
	DZE	Mandaluyong R, PHL	CW
8536.5	SVD 4	Athens R, GRC	CW
8538.0	6WW	FN Dakar, SEN	CW
8539.0	VPS 35	Victoria Island R/TS, HKG	CW
8540.0	DZD 3	Manila R, PHL	CW
	UBN	**Zhdanov R, UK, URS**	**0920 R tts wtsca**
	OBT 2	Talara R, PRU	CW
8541.0	CLJ	Habana R, CUB	CW

8541.0	URB 2	Klaipeda R, LI, URS	CW
	XSJ	Zhanjiang R, CHN	CW
8542.0	PKX	Jakarta R, INS	CW
	PWZ	BN Rio de Janeiro, B	CW
	9GA	Takoradi R, GHA	CW
8543.0	VPS 37	Victoria Island R, HKG	CW
8544.0	OMP 44	Prague R, TCH	CW
8545.0	DZF	Bacoor R, PHL	CW
	UQK	Riga R, LA, URS	CW
8545.9	GKA 4	Portishead R, G	CW
8546.0	OB. .	many R stations, PRU	CW
	UHK	Batumi R, GE, URS	CW
	XST	Qingdao R, CHN	CW
	XSY	Hualien R, TAI	CW
	9PA	Banana R, ZAI	CW
8546.1	KLB	Seattle R, WA, USA	CW
8547.5	JFA	Matsudo F R, J	CW
8548.0	DZF	Bacoor R, PHL	CW
	PPO	Olinda R, B	CW
8549.0	UXN	Arkhangelsk R, RU, URS	CW
8550.0	FFT 4	Saint Lys R, F	CW
	PWZ	BN Rio de Janeiro, B	CW
8551.2	**PWZ**	**BN Rio de Janeiro, B**	**0645 msg, tfc**
8551.6	CTP	NATO Lisbon, POR	CW
8552.0	GKK 4	Portishead R, G	CW
	UXN	**Arkhangelsk R, RU, URS**	**SITOR-A: 1300+1508 R tts wtsca** CW
8554.0	3BA 4	Port Louis R, MAU	CW
8555.0	TBB 7	TN Ankara, TUR	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
8555.5	UJY	Kaliningrad R, RU, URS	CW
8556.0	DZP	Novaliches R, PHL	CW
	SAB 44	**Goeteborg R, S**	**SITOR-A: 24 h tts; QSX 8299.6 kHz** **SITOR-B: 0500+1700 Swedish nx**
8556.5	HZG	Dammam R, ARS	CW
8557.0	SPE 41	Szczecin R, POL	CW
	UGH 2	Juzno R, FE, URS	CW
8558.4	KFS	San Francisco R, CA, USA	CW
8559.5	GKB 4	Portishead R, G	CW
8560.0	XSX	Keelung R, TAI	CW
8562.0	PCH 40	Scheveningen R, NLD	CW
	XFE	Ensenada R, MEX	CW
8562.5	XFB	Ciudad del Carmen R, MEX	CW
8564.0	DVZ 6	Malabon R, PHL	CW
	LZL 4	Bourgas R, BUL	CW
8565.0	D3E 51	Luanda R, AGL	CW
	UKA	Vladivostok R, SE, URS	CW
8566.0	ZSJ 4	SAN Capetown, AFS	CW
8567.0	XDA	Mexico City R, MEX	CW
8568.0	FUV	FN Jibuti, DJI	CW
8568.5	XFM	Manzanillo R, MEX	CW
8569.0	GKD 4	Portishead R, G	CW
8570.0	NRV	USCG Apra Harbour, GUM	CW
	UPB	Provideniya R, FE, URS	CW
	WNU	Slidell R, LA, USA	CW
	XVT 5	Da Nang R, VTN	CW
8571.0	JNA	JN Tokyo, J	CW
	UFN	Novorossiysk R, RU, URS	CW
8572.0	DZD	Antipolo R, PHL	CW
	TBA 7	TN Ankara, TUR	CW
	5TA	Nouadhibou R, MTN	CW

8573.0	CLA 21	Habana R, CUB	CW
	UKW 3	Korsakov R, FE, URS	CW
8573.5	HSA 4	Bangkok R, THA	CW
8573.9	5RS	Toamasina R, MDG	CW
8574.0	HKC	Buenaventura R, CLM	CW
	LGB	Rogaland R, NOR	CW
	NMC	USCG San Franc., CA, USA	CW
	XSU	Yantai R, CHN	CW
8575.0	**URD**	**Leningrad R, RU, URS**	**0222-1928 ry or R tts wtsca** CW
8575.5	XDA	Mexico City R, MEX	CW
8576.0	DZZ	Manila R, PHL	CW
8576.5	ZSD 45	Durban R, AFS	CW
8577.0	HLO	Soul R, KOR	CW
8578.0	CW./..	many UN stations, URG	CW
	SUH 3	Alexandria R, EGY	CW
8580.0	DZO	Bulacan R, PHL	CW
	URL	Sevastopol' R, UK, URS	CW
8580.5	GKN 4	Portishead R, G	CW
	XFC	Cozumel R, MEX	CW
8581.6	GKM 4	Portishead R, G	CW
8582.0	XSN	Ningbo R, CHN	CW
	XSW	Kaohsiung R, TAI	CW
8582.5	GKO 4	Portishead R, G	CW
	KLB	Seattle R, WA, USA	CW
8584.0	DZN	Navotas R, PHL	CW
	VPS 36	Victoria Island R, HKG	CW
	Y5M	Rügen R, DDR	CW
8585.0	KUQ	Pago Pago R, SMA	CW
	UFL	Vladivostok R, SE, URS	CW
8586.0	WCC	Chatham R, MA, USA	CW
	XSO	Wenzhou R, CHN	CW
8588.0	4WD 3	Hodeidah R, YEM	CW
8589.0	HPP	Panama R, PNR	CW
8590.0	**FUE**	**FN Brest, F**	**75 Bd: 0759 clg FAAC**
	XVS 8	Ho Chi Minh Ville R, VTN	CW
8590.5	XDA	Mexico City R, MEX	CW
8591.5	GKG 4	Portishead R, G	CW
8592.0	DZK	Bulacan R, PHL	CW
8593.0	UFB	Odessa R, UK, URS	CW
8594.0	CCS	CN Santiago, CHL	FAX // 4766.0 kHz $
8595.0	UFL	Vladivostok R, SE, URS	CW
8595.5	CCS	CN Santiago, CHL	CW
	VWA 1	Ramnagar Port R, IND	CW
	XFP	Chetumal R, MEX	CW
	9MG 2	Georgetown R, Pin. I., MLA	CW
8596.0	DVM 2	Makati R, PHL	CW
	RIT	SN Vaygach, RU, URS	CW
8597.0	VIP 3	Perth R, WA, AUS	CW
8598.0	OXZ 4	Lyngby R, DNK	CW
	XSL	Fuzhou R, CHN	CW
8598.4	ZLO 4	RNZN Waiouru, NZL	CW
8600.0	DXF	Davao R, PHL	CW
	ELH	Harbel R, LBR	CW
	XSV	Tianjin R, CHN	CW
8601.5	HEB	Berne R, SUI	CW
8602.0	CWA	Cerrito R, URG	CW
	UFB	Odessa R, UK, URS	CW
8602.5	HPP	Panama R, PNR	CW
8604.0	GKH 4	Portishead R, G	CW
8604.3	ZRH 4	SAN Capetown, AFS	CW
8604.5	DZJ	Bulacan R, PHL	CW

8605.0	**UJY**	**Kaliningrad R, RU, URS**	**0005+0038+2032 ry or R tts wtsca; QSX 12631.5 kz**
8606.0	CBV	DGTMMM Valparaiso R, CHL	CW
	ELZ	Cape Palmas R, LBR	CW
	GKI 4	Portishead R, G	CW
	ZRQ 4	SAN Capetown, AFS	CW
8607.0	LZW 43	Varna R, BUL	CW
8608.0	DZA	Mandaluyong R, PHL	CW
8608.5	**Y5M**	**Rügen R, DDR**	**0130+0200+1030+1330+2100 G nx** **SITOR-A: 0650-1914 tts** CW
8609.0	CLJ	Habana R, CUB	CW
8609.5	9VG 73	Singapore R, SNG	CW
8610.0	UXN	Arkhangelsk R, RU, URS	CW
8610.7	HMZ	Pyongyang R, KRE	CW
8611.5	TAH	Istanbul R, TUR	CW
8612.0	PPR	Rio de Janeiro R, B	CW
8613.0	XFY	Guaymas R, MEX	CW
	XSO 4	Zhoushan R, CHN	CW
8613.2	GYC 4	RN London, G	CW
8613.3	**GYA**	**RN London, G**	**75 Bd: 24 h test**
8614.0	URL	Sevastopol' R, UK, URS	CW
	XSJ	Zhanjiang R, CHN	CW
	ZPK	Asuncion R, PRG	CW
8615.0	UDH	Riga R, LA, URS	CW
8615.5	WPD	Tampa R, FL, USA	CW
8616.0	DYV 9	Victorias R, PHL	CW
	HAR	Budapest R, HNG	CW
8617.0	XSV	Tianjin R, CHN	CW
8618.0	EDZ 4	Aranjuez R, E	CW
	ETC	Assab R, ETH	CW
	KPH	San Francisco R, CA, USA	CW
	UJO 5	Izmail R, UK, URS	CW
8619.0	VRN 35	Victoria Island R, HKG	CW
8620.0	DYP	Cebu R, PHL	CW
	PWL	BN Corumba, B	CW
	UAI 3	Nakhodka R, SE, URS	CW
	UBN	Zhdanov R, UK, URS	CW
8621.0	XFN	Progreso R, MEX	CW
8622.0	PCH 41	Scheveningen R, NLD	CW
	XSF	Lianyungang R, CHN	CW
8623.0	PPJ	Juncao R, B	CW
	5BA	Nicosia R, CYP	CW
8624.0	CLY	Habana R, CUB	CW
	XSQ	Guangzhou R, CHN	CW
8625.0	FUM	FN Papeete, Tahiti, OCE	CW
	YKM 7	Al Ladhiqiyah R, SYR	CW
8625.2	GYU	RN Gibraltar, GIB	CW
8626.0	**OXZ 41**	**Lyngby R, DNK**	**SITOR-A: 0050+0358 tts** CW
	PK. ..	many R stations, INS	CW
	XDA	Mexico City R, MEX	CW
8626.9	**GYU**	**RN Gibraltar, GIB**	**75 Bd: 0045+0250+1650+2359 foxes**
8627.5	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	OMP 4	Prague R, TCH	CW
8628.0	JFA	Matsudo F R, J	CW
8628.5	NOJ	USCG Kodiak, ALS	CW
8629.0	XSD	Yingkou R, CHN	CW
8630.0	A7D	Doha R, QAT	CW
	VWB	Bombay R, IND	CW

8630.0	WCC	Chatham R, MA, USA	CW
8631.0	XFQ	Salina Cruz R, MEX	CW
8632.0	DYV	Iloilo R, PHL	CW
	XSW	Kaohsiung R, TAI	CW
8634.0	**FUO**	**FN Toulon, F**	**75 Bd: 0720-0755 ry**
	PPR	Rio de Janeiro R, B	CW
	SPH 42	Gdynia R, POL	CW
	S9M	Sao Tome R, STP	CW
	VTG 6	IN Bombay, IND	CW
	XSH	Basuo R, CHN	CW
8635.0	UJQ	Kiyev R, UK, URS	CW
8636.0	DZU	Pasig R, PHL	CW
	HLW	Soul R, KOR	CW
8638.5	DAM	Norddeich R/TS, D	CW
8639.5	NGR	USN Kato Soli, GRC	FAX // 4704.0 kHz $
8641.0	HIW 7	Boca Chica Pilot R, DOM	CW
	HIW 8	Puerto Plata Pilot R, DOM	CW
8641.5	'U'	Beacon Murmansk, RU, URS	CW
8642.0	CTV 8	PN Lisbon, POR	CW
	C9C 6	MN Maputo, MOZ	CW
	HIA	Sto. Domingo Pilot R, DOM	CW
	KPH	San Francisco R, CA, USA	CW
8643.0	UKA	Vladivostok R, SE, URS	CW
8644.0	PWZ	BN Rio de Janeiro, B	CW
8645.0	XSA 2	Nanjing R, CHN	CW
8645.5	'S'	Beacon Arkhangelsk, RU, URS	CW
8646.0	LPD 86	General Pacheco R, ARG	CW
	SAB 4	Goeteborg R, S	CW
	VTP 6	IN Vishakhapatnam, IND	CW
	'C'	Beacon Moscow, RU, URS	CW
8646.2	'P'	Beacon Kaliningrad, RU, URS	CW
8646.5	'F'	Beacon Vladivostok, SE, URS	CW
8647.0	'D'	Beacon Odessa, UK, URS	CW
8647.5	JDC	Choshi R, J	CW
8648.0	DHJ 59	GN Wilhelmshaven, D	CW
	DZH	Manila R, PHL	CW
	'O'	Beacon Moscow, RU, URS	CW
8649.5	ICB	Genova R, I	CW
8650.0	NMO	USCG Honolulu, HWA	CW
	SPE 42	Szczecin R, POL	CW
	UTA	Tallinn R, ES, URS	CW
	XSL 22	Fangcheng R, CHN	CW
8651.0	XSI	Sanya R, CHN	CW
8651.5	HZG	Dammam R, ARS	CW
8652.0	DYD 2	Cebu R, PHL	CW
	OST 42	Oostende R, BEL	CW
	STP	Port Sudan R, SDN	CW
8652.5	PZN 3	Paramaribo R, SUR	CW
8653.6	JCS	Choshi R, J	CW
8654.4	PCH 42	Scheveningen R, NLD	CW
8655.0	UAI 3	Nakhodka R, SE, URS	CW
8656.0	DZM	Bulacan R, PHL	CW
	IAR 38	Rome R, I	CW
	XFU	Veracruz R, MEX	CW
8657.0	FUJ	FN Noumea, NCL	CW
	UJQ	**Kiyev R, UK, URS**	**2353 R tts wtsca**
8658.0	ASK	Karachi R, PAK	CW
	S3E	Khulna R, BGD	CW
	WLO	Mobile R, AL, USA	CW
8659.5	KLC	Galveston R, TX, USA	CW
8660.0	Y5M	Rügen R, DDR	CW
8661.0	UFB	Odessa R, UK, URS	CW

8662.0	TAH	Istanbul R, TUR	CW
8663.0	**UFN**	**Novorossiysk R, RU, URS**	**0042+1336+1907 R tts wtsca** CW
8664.0	DZH 2	Manila R, PHL	CW
	HMZ	Pyongyang R, KRE	CW
	WSC	Tuckerton R, NJ, USA	CW
8665.0	XSG 3	Shanghai R, CHN	CW
8666.0	FUG	FN La Regine, F	CW
	KLC	Galveston R, TX, USA	CW
8666.4	SPH 43	Gdynia R, POL	CW
8667.0	YKM 5	SCOT Baniyas Port R, SYR	CW
8668.0	DVM 4	Manila R, PHL	CW
	DXD 9	Davao R, PHL	CW
8669.5	'U'	Beacon Murmansk, RU, URS	CW
8670.0	ASK	Karachi R, PAK	CW
	IAR 8	Rome R, I	CW
	PW.	many BN stations, B	CW
8671.0	XSQ	Guangzhou R, CHN	CW
	XSK 4	Haimen R, CHN	CW
8672.0	DZI	Bacoor R, PHL	CW
8672.5	CTP	NATO Lisbon, POR	CW
	DAF	Norddeich R, D	CW
8674.0	ZPK	Asuncion R, PRG	CW
8674.4	VWM	Madras R, IND	CW
8675.0	UQB	Kholmsk R, FE, URS	CW
8676.0	DYM	Cebu R, PHL	CW
	LZS 30	BN Sofia, BUL	CW
8677.0	CBV	DGTMMM Valpar. R, CHL	FAX // 4228.0 kHz $
8678.0	LFB	Rogaland R, NOR	CW
	SPH 44	Gdynia R, POL	CW
	XSZ	Dalian R, CHN	CW
	ZLP 4	RNZN Waiouru, NZL	CW
8679.0	IQX	Trieste R, I	CW
8680.0	DYE 9	Cebu R, PHL	CW
	UQB	**Kholmsk R, FE, URS**	**0947 R tts wtsca** CW
	WSC	Tuckerton R, NJ, USA	CW
	XUK 3	Kompong Som Ville R, KMP	CW
8681.0	SVI 4	Athens R, GRC	CW
8682.0	EAD 3	Aranjuez R, E	CW
	J2A 8	Jibuti R, DJI	CW
	NMC	USCG San Francisco, CA, USA	FAX // 4346.0 kHz $ CW
8683.5	**LFB 2**	**Rogaland R, NOR**	**SITOR-A: 24 h tts** CW
8684.0	GKJ 4	Portishead R, G	CW
	LZL 4	Bourgas R, BUL	CW
8685.0	IRM	CIRM Rome, I	CW
8686.0	CNP	Casablanca R, MRC	CW
	C2N	Makwa R, NRU	CW
	HSA 2	Bangkok R, THA	CW
	JCT	Choshi R, J	CW
	PK. .	many R stations, INS	CW
8687.0	SVA 4	Athens R, GRC	CW
8687.6	URD	Leningrad R, RU, URS	CW
8688.0	DUN	PN Manila, PHL	CW
	WNU	Slidell R, LA, USA	CW
	9VG 36	Singapore R, SNG	CW
8688.5	ZSC 6	Capetown R, AFS	CW
8690.0	CLA 22	Habana R, CUB	CW
	FJY 4	Martin de Vivies R, AMS	CW
	SVF 4	Athens R, GRC	CW

8690.0	TFA	Reykjavik R, ISL	CW
	UMV	Murmansk R, RU, URS	CW
	XF. .	many PEMEX R stations, MEX	CW
	3DP	Suva R, FJI	CW
	6VA 5	Dakar R, SEN	CW
8692.0	DZO 9	Manila R, PHL	CW
8692.5	SVF 4	Athens R, GRC	CW
8694.0	ASK	Karachi R, PAK	CW
	CBM	DGTMMM Magallanes R, CHL	CW
	D3E 52	Luanda R, AGL	CW
	PJC	Willemstad R, Curacao, ATN	CW
	PKM	Bitung R, INS	CW
	PNK	Jayapura R, INS	CW
	S3D	Chittagong R, BGD	CW
	XSZ	Dalian R, CHN	CW
	XVN 3	Nha Trang R, VTN	CW
	4XO	Haifa R, ISR	CW
8695.0	**UHK**	**Batumi R, GE, URS**	**1339 ry, R tts wtsca** CW
8696.0	DZN 4	Manila R, PHL	CW
	Y5M	Rügen R, DDR	CW
	ZAD 2	Durres R, ALB	CW
	9GX	Tema R, GHA	CW
8697.0	CFH	CF Halifax, NS, CAN	CW
8698.0	C9L 2	Maputo R, MOZ	CW
	C9L 6	Mocambique R, MOZ	CW
	EQM	Bushire R, IRN	CW
	EQN	Khomeini R, IRN	CW
	EQQ	Khark R, IRN	CW
	FJP 8	Noumea R, NCL	CW
	J..	many R stations, J	CW
	UDK 2	Murmansk R, RU, URS	CW
	5OW 8	Lagos R, NIG	CW
	9MG 2	Georgetown R, Pin. I., MLA	CW
8699.5	CTU 28	PN Lisbon, POR	CW
8700.0	YUR 3	Rijeka R, YUG	CW
8700.4	HKB	Barranquilla R, CLM	CW
8701.0	**UNM 2**	**Klaipeda R, LI, URS**	**0752+0800+1906+2125 R tts wtsca** CW
	XSY	Hualien R, TAI	CW
8702.0	LST 9	YPF Buenos Aires R, ARG	CW
	LSU 5	YPF Cmdr. Rivadavia R, ARG	CW
	ODR 3	Beirut R, LBN	CW
	XSR	Haikou R, CHN	CW
	3AC 18	Monte Carlo R, MCO	CW
8703.0	**UXN**	**Arkhangelsk R, RU, URS**	**0710 R ry wtsca**
8704.0	DVZ 9	Navotas R, PHL	CW
	FFT 21	**Saint Lys R, F**	**(hx 4352.0 kHz)** CW (hx 4352.0 kHz)
	SVB 4	Athens R, GRC	CW
	UFN	Novorossiysk R, RU, URS	CW
8705.0		**coast stations, series 1**	**QSX 8344.0 kHz**
	DCN	*Norddeich R, D*	*scheduled*
	KFS	*San Francisco R, CA, USA*	*scheduled* CW
	TAH	*Istanbul R, TUR*	*scheduled*
	UHK	*Batumi R, GE, URS*	*scheduled*
	UNM 2	*Klaipeda R, LI, URS*	*scheduled*
	Y5M	**Rügen R, DDR**	**SITOR-A: 0046 tts** CW
	9MG 15	**Georgetown R, Pin. I., MLA**	**SITOR-A: 0041 tts**

8705.5		coast stations, series 2	QSX 8344.5 kHz
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	GKE 4	Portishead R, G	SITOR-A: 24 h tts SITOR-B: 0700+0900 tfc list, 2100 schedule CW
	UMV	*Murmansk R, RU, URS*	*scheduled*
	WNU	Slidell R, LA, USA	SITOR-A: 1454 tts CW
	ZLW	*Wellington R, NZL*	*scheduled*
8706.0		coast stations, series 3	QSX 8345.0 kHz
	GYA	RN London, G	75 Bd: 0322+2350 test
	KFS	*San Francisco R, CA, USA*	*scheduled* CW
	OST 46	*Oostende R, BEL*	*scheduled*
	SPA	Gdynia R, POL	SITOR-A: 24 h tts CW
	XSV	*Tianjin R, CHN*	*scheduled*
	3CA 7	Malabo R, GNE	CW
8706.5		coast stations, series 4	QSX 8345.5 kHz
	DCM	*Norddeich R, D*	*scheduled*
	IAR	Rome R, I	SITOR-A: 0537-1910 tts CW
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0150+0330+0402+1802+2130 R tts wtsca CW
	9VG 40	Singapore R, SNG	SITOR-A: 1102 tts CW
8707.0		coast stations, series 5	QSX 8346.0 kHz
	ETC	*Assab R, ETH*	*scheduled*
	HZG	*Dammam R, ARS*	*scheduled*
	J2A	*Jibuti R, DJI*	*scheduled*
	LGB 2	Rogaland R, NOR	SITOR-A: 0157+0225+0801-2114 tts SITOR-B: 0700+1700 N nx, 1720 tfc list, 1900 N nx CW
	WLO	Mobile R, AL, USA	SITOR-A: 0008+0127+0320+1455 tts SITOR-B: 0000+0530+0615+2230 wx CW
	5RS	*Toamasina R, MDG*	*scheduled*
8707.5		coast stations, series 6	QSX 8346.5 kHz
	IAR	*Rome R, I*	*scheduled*
	UAT	Moscow R, RU, URS	SITOR-A: 0520+0624+1912+2053 R tts wtsca CW
	VIP 33	Perth R, WA, AUS	SITOR-A: 1113+1911+2202 tts CW
8708.0		coast stations, series 7	QSX 8347.0 kHz
	NMF	*USCG Boston, MA, USA*	*scheduled*
	SAB 407	Goeteborg R, S	SITOR-A: 24 h tts
	WAH	*Saint Thomas R, VIR*	*scheduled*
	XSG	*Shanghai R, CHN*	*scheduled*
	YUS	*Split R, YUG*	*scheduled*
8708.5		coast stations, series 8	QSX 8347.5 kHz
	FFT 41	Saint Lys R, F	SITOR-A: 0620-0133 tts SITOR-B: 0300+0400+0800+0900+1100+1200+1300+1600+1700+1800+1900+2000+2100+2300 tfc list or wx CW
	NMF	*USCG Boston, MA, USA*	*scheduled*

8708.5	*UBE 2*	*Petropavlovsk R, FE, URS*	*scheduled*
	UXN	*Arkhangelsk R, RU, URS*	*scheduled*
	WPD	*Tampa R, FL, USA*	*scheduled* CW
8709.0		coast stations, series 9	QSX 8348.0 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	HEC 18	Berne R, SUI	SITOR-A: 24 h tts CW
	HPP	*Panama R, PNR*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled* CW
	S9M	*Sao Tome R, STP*	*scheduled*
	UFB	*Odessa R, UK, URS*	*scheduled*
	UFL	Vladivostok R, SE, URS	0654 R tts wtsca
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0048+0547 R tts wtsca CW
	9VG 78	Singapore R, SNG	SITOR-A: 24 h tts CW
8709.5		coast stations, series 10	QSX 8348.5 kHz
	A7D	*Doha R, QAT*	*scheduled* CW
	CUL	*Lisbon R, POR*	*scheduled*
	OXZ	Lyngby R, DNK	SITOR-A: 24 h tts SITOR-B: 0930 tfc list CW
	UDH	*Riga R, LA, URS*	*scheduled*
	UQB	Kholmsk R, FE, URS	1104 R tts wtsca
	WLO	Mobile R, AL, USA	SITOR-A: 0521 tts CW
8710.0		coast stations, series 11	QSX 8349.0 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	LZW	Varna R, BUL	SITOR-A: 0653 tts CW
	PCH 45	Scheveningen R, NLD	(sp 8713.0 kHz)
	UCO	*Yalta R, UK, URS*	*scheduled*
	URD	*Leningrad R, RU, URS*	*scheduled*
	VPS 38	Victoria Island R, HKG	SITOR-A: 0056+0807+1112+1125+2149 tts CW
	WLO	*Mobile R, AL, USA*	*scheduled* CW
	XSQ	*Guangzhou R, CHN*	*scheduled*
	YUR	*Rijeka R, YUG*	*scheduled*
	9LL	Freetown R, SRL	CW
8710.5		coast stations, series 12	QSX 8349.5 kHz
	IAR	*Rome R, I*	*scheduled*
	NMF	*USCG Boston, MA, USA*	*scheduled*
	NRV	*USCG Apra Harbour, GUM*	*scheduled*
	OST 47	*Oostende R, BEL*	*scheduled*
	UAH	Tallinn R, ES, URS	SITOR-A: 0605-1849 R tts wtsca SITOR-B: 1110 R navigational warnings wtsca CW
	UPB	*Provideniya R, FE, URS*	*scheduled*
	VIS 84	*Sydney R, NSW, AUS*	*scheduled*
	YUR	*Rijeka R, YUG*	*scheduled*
8711.0		coast stations, series 13	QSX 8350.0 kHz
	GKP 4	Portishead R, G	SITOR-A: 24 h tts CW
	KPH	*San Francisco R, CA, USA*	*scheduled* CW
	UBN	*Zhdanov R, UK, URS*	*scheduled*

8711.0	*WCC*	*Chatham R, MA, USA*	*scheduled*
8711.5		coast stations, series 14	QSX 8350.5 kHz
	IAR	*Rome R, I*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	LZW	Varna R, BUL	CW
	SVT 4	*Athens R, GRC*	*scheduled*
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0906+1612-0545 R tts wtsca CW
	VIS 65	Sydney R, NSW, AUS	SITOR-A: 1110 tts CW
	WCC	*Chatham R, MA, USA*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
8712.0		coast stations, series 15	QSX 8351.0 kHz
	DCL	*Norddeich R, D*	*scheduled*
	UAH	Tallinn R, ES, URS	CW
	WLO	Mobile R, AL, USA	SITOR-A: 0319+0524 tts CW
	3AC 28	*Monte Carlo R, MCO*	*scheduled*
8712.5		coast stations, series 16	QSX 8351.5 kHz
	COB 36	*Flota Cubana F R, CUB*	*scheduled*
	FFT 42	*Saint Lys R, F*	*scheduled*
	SVU 4	*Athens R, GRC*	*scheduled*
	UDK 2	*Murmansk R, RU, URS*	*scheduled*
	WCC	Chatham R, MA, USA	SITOR-A: 0534+2206 tts SITOR-B: 0515 wx CW
8713.0		coast stations, series 17	QSX 8352.0 kHz
	HPP	*Panama R, PNR*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled*
	PCH 45	Scheveningen R, NLD	SITOR-A: 24 h tts CW
	VPS 39	*Victoria Island R, HKG*	*scheduled*
8713.5		coast stations, series 18	QSX 8352.5 kHz
	FFT 43	Saint Lys R, F	SITOR-A: 0544-2346 tts CW
	PKX	*Jakarta R, INS*	*scheduled*
8714.0		coast stations, series 19	QSX 8353.0 kHz
	GKY 4	*Portishead R, G*	*scheduled*
	HEC 28	Berne R, SUI	SITOR-A: 24 h tts CW
	ZSD 60	Durban R, AFS	SITOR-A: 1630 tts
	9PA	*Banana R, ZAI*	*scheduled*
8714.5		coast stations, series 20	QSX 8353.5 kHz
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	IAR	*Rome R, I*	*scheduled*
	ICB	Genova R, I	CW
	NMC	*USCG San Franc., CA, USA*	*scheduled*
	UFH	Petropavl.-K. R, FE, URS	0220 R tts wtsca
	VRT	*Hamilton R, BER*	*scheduled*
8715.0		coast stations, series 21	QSX 8354.0 kHz
	KPH	*San Francisco R, CA, USA*	*scheduled*
	LGB 3	*Rogaland R, NOR*	*scheduled*
	SPB	Szczecin R, POL	SITOR-A: 0132+0405+0933+1903 tts CW
	WCC	Chatham R, MA, USA	SITOR-A: 0045+0145 E nx, 0220+0227 tts, 0230 E nx, 0820+1858 tts, 2200 E nx SITOR-B: 0430+1700 wx CW
	3AC 38	*Monte Carlo R, MCO*	*scheduled*

8715.0	9VG 79	Singapore R, SNG	SITOR-A: 0807-1124+2038-0056 tts CW
8715.5		coast stations, series 22	QSX 8354.5 kHz
	A7D	*Doha R, QAT*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	OXZ	*Lyngby R, DNK*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
8716.0		coast stations, series 23	QSX 8355.0 kHz
	A9M	*Hamala R, BHR*	*scheduled* CW
	BAL 2	PTT Beijing, CHN	1549+1555 ry, 1604 clg ZAO 3, 1616+2050 ry
	DCF	*Norddeich R, D*	*scheduled*
	PCH 45	Scheveningen R, NLD	(sp 8713.0 kHz)
	UKX	*Nakhodka R, SE, URS*	*scheduled*
	YUR	Rijeka R, YUG	SITOR-A: 0935 tts CW
	YUW	*Bar R, YUG*	*scheduled* CW
8716.5		coast stations, series 24	QSX 8355.5 kHz
	NMN	USCG Portsmouth, VA, USA	SITOR-A: 0407+0535+0657 tts CW
	SAB 424	Goeteborg R, S	SITOR-A: 24 h tts
	UJQ	*Kiyev R, UK, URS*	*scheduled*
	UQK	*Riga R, LA, URS*	*scheduled*
	VCS	*CCG Halifax, NS, CAN*	*scheduled*
8717.0		coast stations, series 25	QSX 8356.0 kHz
	PCH 46	Scheveningen R, NLD	SITOR-A: 24 h tts SITOR-B: 1115 tfc list CW
	UFH	Petropavl.-K. R, FE, URS	0220 R tts wtsca
	UFM 3	*Nevelsk R, FE, URS*	*scheduled*
	VAI	*CCG Vancouver, BC, CAN*	*scheduled*
	VWM	*Madras R, IND*	*scheduled*
	ZSC 62	Capetown R, AFS	SITOR-A: 0735 tts CW
8717.5		coast stations, series 26	QSX 8356.5 kHz
	CLA	*Habana R, CUB*	*scheduled*
	EHY	Pozuelo del Rey R, E	SITOR-A: 24 h tts CW
	FFT 44	*Saint Lys R, F*	*scheduled* CW
	HEC 38	Berne R, SUI	SITOR-B: 0700 tfc list
	UGH 2	*Juzno R, FE, URS*	*scheduled*
	URB 2	*Klaipeda R, LI, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 2034-0531 tts CW
	Y5M	*Rügen R, DDR*	*scheduled*
8718.0		coast stations, series 27	QSX 8357.0 kHz
	GKQ 4	Portishead R, G	SITOR-A: 24 h tts CW
	IDR 4	IN Rome, I	CW
	NMN	USCG Portsmouth, VA, USA	SITOR-A: 0424 tts
	NMO	USCG Honolulu, HWA	SITOR-B: 0330 wx
	TJC 7	Douala R, CME	CW
	8Q2	*Male R, MLD*	*scheduled*
8718.5	*worldwide*	*coast stations DSC freq.*	
8718.9		coast stations, ch 801	SSB QSX 8195.0 kHz
	A9M	Hamala R, BHR	
	CB./..	many DGTMMM R stns., CHL	

8718.9	CBM 9	ETAL Punta Arenas R, CHL		
	DVG 8	Quezon City R, PHL		
	DVG 9	Albay R, PHL		
	LFL 2	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	ZSV 32	Walvis Bay R, NMB		
	4XO	Haifa R, ISR		
	9MG 9	Georgetown R, Pin. I., MLA		
8722.0		coast stations, ch 802	SSB	QSX 8198.1 kHz
	CUL	Lisbon R, POR		
	DVP 3	Quezon City R, PHL		
	DVR 3	Manila R, PHL		
	DZK 3	Manila R, PHL		
	D3E	Luanda R, AGL		
	GKT 42	Portishead R, G		
	J5M	Bissau R, GNB		
	OHG 2	Helsinki R, FNL		
	SVN 4	Athens R, GRC		
	VIS	Sydney R, NSW, AUS		
	VWM	Madras R, IND		
	WOM	Pennsuco R, FL, USA		
	Y5M	Rügen R, DDR		
	7TA 20	El Djaza’ir R, ALG		
	7TF	Skikda R, ALG		
8725.1		coast stations, ch 803	SSB	QSX 8201.2 kHz
	ASK	Karachi R, PAK		
	COB 32	Flota del Golfo F R, CUB		
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	DZC 7	Malabon R, PHL		
	DZQ 9	Navotas R, PHL		
	EHY	Pozuelo del Rey R, E		
	HEB 48	Berne R, SUI		
	HLS	Soul R, KOR		
	LFL 3	Rogaland R, NOR		
	OSU 46	Oostende R, BEL		
	PJC	Willemstad R, Curacao, ATN		
	SAG	Goeteborg R, S		
	TAM	Mersin R, TUR		
	URB 2	Klaipeda R, LI, URS		
	WFN	Jeffersonville R, IN, USA		
	ZSQ 23	Port Elizabeth R, AFS		
	4PB	Colombo R, SLK		
	6VA	Dakar R, SEN		
8728.2		coast stations, ch 804	SSB	QSX 8204.3 kHz
	A7D	Doha R, QAT		
	DV. 7	Navotas R, PHL		
	EHY	Pozuelo del Rey R, E		
	JYO	Aqaba R, JOR		
	KMI	Dixon R, CA, USA		
	OBC 3	Callao R, PRU		
	OHG 2	Helsinki R, FNL		
	SPC 43	Gdynia R, POL		
	S9M	Sao Tome R, STP		
	UJB	Astrakhan’ R, RU, URS		
	UKQ 2	Nakhodka R, SE, URS		
	WAH	Saint Thomas R, VIR		
	3AC 8	Monte Carlo R, MCO		
	9LL	Freetown R, SRL		
	9VG 63	Singapore R, SNG		

8731.3		coast stations, ch 805	SSB	QSX 8207.4 kHz
	DXS 3	General Santos City R, PHL		
	DYF 5	Negros R, PHL		
	EQI	Abbas R, IRN		
	ETC	Assab R, ETH		
	FJP 9	Noumea R, NCL		
	HCG	Guayaquil R, EQA		
	OHG 2	Helsinki R, FNL		
	OSU 43	Oostende R, BEL		
	PCG 42	Scheveningen R, NLD		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	TFA	Reykjavik R, ISL		
	UCZ	Provideniya R, FE, URS		
	UIK	Vladivostok R, SE, URS		
	VPS	Victoria Island R, HKG		
	WOM	Pennsuco R, FL, USA		
	ZAD	Durres R, ALB		
	ZSC 26	Capetown R, AFS		
	4XO	Haifa R, ISR		
8734.4		coast stations, ch 806	SSB	QSX 8210.5 kHz
	A9M	Hamala R, BHR		
	ICB	Genova R, I		
	KUQ	Pago Pago R, SMA		
	OSU 44	Oostende R, BEL		
	PCG 43	Scheveningen R, NLD		
	SPC 44	Gdynia R, POL		
	SVN 4	Athens R, GRC		
	S3D	Chittagong R, BGD		
	VIP	Perth R, WA, AUS		
		Abidjan F R, CTI		
8737.0	HML	Namp'o R, KRE	CW	
8737.5		coast stations, ch 807	SSB	QSX 8213.6 kHz
	CB./..	many DGTMMM R stns., CHL		
	DVY 4	Malabon R, PHL		
	DZN 3	Navotas R, PHL		
	GYU	RN Gibraltar, GIB		
	OMP	Prague R, TCH		
	TFA	Reykjavik R, ISL		
	URD	Leningrad R, RU, URS		
	VAI	CCG Vancouver, BC, CAN		
	WGK	St. Louis R, MO, USA		
	ZBI	Georgetown R, ASC		
	ZHH	Jamestown R, SHN		
	ZLW	Wellington R, NZL		
	5BA 42	Nicosia R, CYP		
	5RS	Toamasina R, MDG		
	8Q2	Male R, MLD		
	9HD	Valetta R, MLT		
	9KK 7	Safat R, KWT		
8740.6		coast stations, ch 808	SSB	QSX 8216.7 kHz
	C6N 55	Coral Harbour R, BAH		
	DZZ	Manila R, PHL		
	HZG	Dammam R, ARS		
	LFL 4	Rogaland R, NOR		
	LPZ 87	Trelew R, ARG		
	OXZ	Lyngby R, DNK		
	P.. ...	many R stations, B		
	PZN	Paramaribo R, SUR		
	SAG	Goeteborg R, S		
	SVN 4	Athens R, GRC		
	WOO	Ocean Gate R, NJ, USA		

8740.6	YKM 7	Al Ladhiqiyah R, SYR		
	ZBI	Georgetown R, ASC		
	ZSD 38	Durban R, AFS		
	ZXA 4	Tedut R, B		
	ZXF 3	Bavit R, B		
	ZZQ 8	Denor R, B		
		Roseau Port R, DMA		
8743.7		coast stations, ch 809	SSB	QSX 8219.8 kHz
	ASK	Karachi R, PAK		
	CB./..	many DGTMMM R stns., CHL		
	CLA 64	Habana R, CUB		
	KMI	Dixon R, CA, USA		
	LFL 5	Rogaland R, NOR		
	OHG 2	Helsinki R, FNL		
	OMC	Bratislava R, TCH		
	OMK	Komarno R, TCH		
	OML	Decin R, TCH		
	SVN 4	Athens R, GRC		
	TFA	Reykjavik R, ISL		
	WAH	Saint Thomas R, VIR		
	XFA	Acapulco R, MEX		
	XFB	Ciudad del Carmen R, MEX		
	XFC	Cozumel R, MEX		
	XF. .	many PEMEX R stations, MEX		
	Y5M	Rügen R, DDR		
	3AC 9	Monte Carlo R, MCO		
	4PB	Colombo R, SLK		
	7TA 21	El Djaza'ir R, ALG		
	7TF	Skikda R, ALG		
	9KK 72	Safat R, KWT		
8746.8		coast stations, ch 810	SSB	QSX 8222.9 kHz
	CFH	CF Halifax, NS, CAN		
	DVC 8	Navotas R, PHL		
	EHY	Pozuelo del Rey R, E		
	EQM	Bushire R, IRN		
	JBO	Tokyo R, J		
	LFL 6	Rogaland R, NOR		
	LPB 9	Corrientes R, ARG		
	PKB	Belawan R, INS		
	PKF 3	Kendari R, INS		
	PKN	Balikpapan R, INS		
	SPO 41	Szczecin R, POL		
	S3D	Chittagong R, BGD		
	TAT	Canakkale R, TUR		
	WOM	Pennsuco R, FL, USA		
	XSQ	Guangzhou R, CHN		
	YUR	Rijeka R, YUG		
	3DP	Suva R, FJI		
8749.9		coast stations, ch 811	SSB	QSX 8226.0 kHz
	DVR 9	Navotas R, PHL		
	DZD 8	Manila R, PHL		
	FUB	FN Paris, F		
	HAR	Budapest R, HNG		
	HZG	Dammam R, ARS		
	LFL 7	Rogaland R, NOR		
	LPM 97	Mar del Plata R, ARG		
	OB. .	many R stations, PRU		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	TAH	Istanbul R, TUR		
	VI.	many R stations, AUS		
	VPS	Victoria Island R, HKG		

8749.9	WOO	Ocean Gate R, NJ, USA		
	YUR	Rijeka R, YUG		
8753.0		coast stations, ch 812	SSB	QSX 8229.1 kHz
	DVW 2	Manila R, PHL		
	DZC 2	Navotas R, PHL		
	JBO	Tokyo R, J		
	LPC 34	Ushuaia R, ARG		
	OSU 49	Oostende R, BEL		
	PKX	Jakarta R, INS		
	SPC 41	Gdynia R, POL		
	UFA	Batumi R, GE, URS		
	VFF	CCG Iqaluit, NWT, CAN		
	XSG	Shanghai R, CHN		
	4XO	Haifa R, ISR		
	6YI	Kingston R, JMC		
	9PA	Banana R, ZAI		
8756.1		coast stations, ch 813	SSB	QSX 8232.2 kHz
	CB./..	many DGTMMM R stns., CHL		
	DVB 4	Malabon R, PHL		
	D3E	Luanda R, AGL		
	D4A	Mindelo R, S. Vicente, CPV		
	HAR	Budapest R, HNG		
	J5M	Bissau R, GNB		
	LFL 8	Rogaland R, NOR		
	OSU 45	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	VWB	Bombay R, IND		
	XSV	Tianjin R, CHN		
	YKO	Tartus R, SYR		
	7TA 22	El Djaza'ir R, ALG		
8759.2		coast stations, ch 814	SSB	QSX 8235.3 kHz
	CFW	Vancouver R, BC, CAN		
	CLA 67	Habana R, CUB		
	DZJ	Bulacan R, PHL		
	HSA 21	Bangkok R, THA		
	IAR	Rome R, I		
	JBO	Tokyo R, J		
	KMI	Dixon R, CA, USA		
	LPL 3	General Pacheco R, ARG		
	PK. ..	many R stations, INS		
	SVN 4	Athens R, GRC		
	S9M	Sao Tome R, STP		
	T3C	Takaronga R, T. Atoll, KIR		
	UGH 2	Juzno R, FE, URS		
	UQK	Riga R, LA, URS		
	WOM	Pennsuco R, FL, USA		
8762.3		coast stations, ch 815	SSB	QSX 8238.4 kHz
	CB./..	many DGTMMM R stns., CHL		
	DAK	Norddeich R, D		
	DVG 2	Quezon City R, PHL		
	DVR 8	Navotas R, PHL		
	DZE 4	Malabon R, PHL		
	OSU 41	Oostende R, BEL		
	UDN	Novorossiysk R, RU, URS		
	VID	Darwin R, NT, AUS		
	VIP	Perth R, WA, AUS		
	WOO	Ocean Gate R, NJ, USA		
	XSQ	Guangzhou R, CHN		
	9PA	Banana R, ZAI		
	9VG 64	Singapore R, SNG		
8765.4		coast stations, ch 816	SSB	QSX 8241.5 kHz
	DYT 3	Cebu R, PHL		

8765.4	EHY	Pozuelo del Rey R, E		
	GKU 46	Portishead R, G		
	LPG 87	Rio Gallegos R, ARG		
	N..	many USCG stations		
	PKG	Banjarmasin R, INS		
	PKP	Dumai R, INS		
	XSU	Yantai R, CHN		
	XSV	Tianjin R, CHN		
	8PO	Bridgetown R, BRB		
8768.5		coast stations, ch 817	SSB	QSX 8244.6 kHz
	CB./..	many DGTMMM R stns., CHL		
	C2N	Makwa R, NRU		
	DAJ	Norddeich R, D		
	DZI	Bacoor R, PHL		
	EQO	Nowshahr R, IRN		
	FFL 43	Saint Lys R, F		
	HPP 20	Panama R, PNR		
	SUH	Alexandria R, EGY		
	S3E	Khulna R, BGD		
	UKI	Nakhodka R, SE, URS		
	VIA	Adelaide R, SA, AUS		
	VIT	Townsville R, QLD, AUS		
	VRT	Hamilton R, BER		
	XF./.	many PEMEX/R stations, MEX		
	5OW	Lagos R, NIG		
8771.6		coast stations, ch 818	SSB	QSX 8247.7 kHz
	ASK	Karachi R, PAK		
	DYS 9	Cebu R, PHL		
	DZD 4	Manila R, PHL		
	DZR 2	Navotas R, PHL		
	LFL 9	Rogaland R, NOR		
	LPW 97	Bahia Blanca R, ARG		
	OXZ	Lyngby R, DNK		
	P.. ...	many R stations, B		
	SAG	Goeteborg R, S		
	S7Q	Victoria R, Mahe, SEY		
	TJC	Douala R, CME		
	XSG	Shanghai R, CHN		
	YJM	Port-Vila R, Efate I., VUT		
	Z.. .	many R stations, B		
	5AT	Tripoli R, LBY		
	5BA 44	Nicosia R, CYP		
	9MG 9	Georgetown R, Pin. I., MLA		
8774.7		coast stations, ch 819	SSB	QSX 8250.8 kHz
	CBV	DGTMMM Valparaiso R, CHL		
	CBV 3	DGTMMM Hanga Roa R, PAQ		
	CKN	CF Vancouver, BC, CAN		
	DZS 4	Manila R, PHL		
	GKU 49	Portishead R, G		
	HPP 20	Panama R, PNR		
	IAR	Rome R, I		
	PKU	Kalianget R, INS		
	PP.	many R stations, B		
	SVN 4	Athens R, GRC		
	UDK	Murmansk R, RU, URS		
	5OW	Lagos R, NIG		
	7OA	Aden R, YMS		
8777.8		coast stations, ch 820	SSB	QSX 8253.9 kHz
	DAI	Norddeich R, D		
	D.. .	many R stations, PHL		
	D4D	Praia R, Santiago, CPV		
	EQL	Anzali R, IRN		

8777.8	IAR	Rome R, I		
	JBO	Tokyo R, J		
	SVN 4	Athens R, GRC		
	5BA 46	Nicosia R, CYP		
	5WA	Apia R, SMO		
	9PA	Banana R, ZAI		
8780.9		coast stations, ch 821 *(worldwide calling frequency)*	SSB	QSX 8257.0 kHz
8784.0		coast stations, ch 822	SSB	QSX 8260.1 kHz
	D.. .	many R stations, PHL		
	GKV 42	Portishead R, G		
	HAR	Budapest R, HNG		
	HEB 18	Berne R, SUI		
	KMI	Dixon R, CA, USA		
	PPA	Salvador R, B		
	PPL	Belem R, B		
	PPR	Rio de Janeiro R, B		
	S3E	Khulna R, BGD		
	TUA	Abidjan R, CTI		
	UJQ	Kiyev R, UK, URS		
	VIT	Townsville R, QLD, AUS		
	XSQ	Guangzhou R, CHN		
	YUS	Split R, YUG		
	YVG	La Guayra R, VEN		
	5ZF	Mombasa R, KEN		
8787.1		coast stations, ch 823	SSB	QSX 8263.2 kHz
	DZN 9	Navotas R, PHL		
	ICB	Genova R, I		
	LFL 20	Rogaland R, NOR		
	LPO 87	Puerto Deseado R, ARG		
	OXZ	Lyngby R, DNK		
	PKT	Dili R, INS		
	SAG	Goeteborg R, S		
	SVN 4	Athens R, GRC		
	UGE	Arkhangelsk R, RU, URS		
	VCS	CCG Halifax, NS, CAN		
	9GA	Takoradi R, GHA		
8790.2		coast stations, ch 824	SSB	QSX 8266.3 kHz
	A4M	Muscat R, OMA		
	DAP	Norddeich R, D		
	DZB 3	Manila R, PHL		
	EQ.	many R stations, IRN		
	HEB 28	Berne R, SUI		
	OBY 2	Paita R, PRU		
	PP.	many R stations, B		
	SPC 42	Gdynia R, POL		
	UMN	Murmansk R, RU, URS		
	WLO	Mobile R, AL, USA		
	9VG 65	Singapore R, SNG		
8793.3		coast stations, ch 825	SSB	QSX 8269.4 kHz
	DYP	Cebu R, PHL		
	DZD 2	Navotas R, PHL		
	FFL 42	Saint Lys R, F		
	FJY 4	Martin de Vivies R, AMS		
	HAR	Budapest R, HNG		
	LFL 21	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	UBE 4	Petropavl.-Km. R, FE, URS		
	VFR	CCG Resolute, NWT, CAN		
	WOM	Pennsuco R, FL, USA		
	ZKR	Avarua R, Rarotga. I., CKH		

8793.3	7TA 23	El Djaza'ir R, ALG		
	8PO	Bridgetown R, BRB		
	9GX	Tema R, GHA		
8796.4		coast stations, ch 826	SSB	QSX 8272.5 kHz
	A7D	Doha R, QAT		
	DYU 3	Roxas R, PHL		
	GKV 46	Portishead R, G		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	IAR	Rome R, I		
	PCG 41	Scheveningen R, NLD		
	PK. ..	many R stations, INS		
	WBL	Buffalo R, NY, USA		
	WLC	Rogers City R, MI, USA		
	WMI	Lorain R, OH, USA		
	WOO	Ocean Gate R, NJ, USA		
	XDA	Mexico City R, MEX		
	XFE	Ensenada R, MEX		
	XFL	Mazatlan R, MEX		
	XF. .	many PEMEX R stations, MEX		
	XSV	Tianjin R, CHN		
	Y5M	Rügen R, DDR		
8799.5		coast stations, ch 827	SSB	QSX 8275.6 kHz
	DVR 5	Caloocan City R, PHL		
	DYC 7	Bacolod R, PHL		
	DZM 6	Makati R, PHL		
	ELH	Harbel R, LBR		
	HLS	Soul R, KOR		
	J2A	Jibuti R, DJI		
	LFL 22	Rogaland R, NOR		
	OBF 4	Mollendo R, PRU		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	YUW	Bar R, YUG		
	4XO	Haifa R, ISR		
		Sapele Port R, NIG		
8802.6		coast stations, ch 828	SSB	QSX 8278.7 kHz
	CNP	Casablanca R, MRC		
	DAH	Norddeich R, D		
	D.. .	many R stations, PHL		
	FFL 44	Saint Lys R, F		
	FUB	FN Paris, F		
	HAR	Budapest R, HNG		
	LFL 23	Rogaland R, NOR		
	ODR 7	Beirut R, LBN		
	P.. ..	many R stations, INS		
	PP.	many R stations, B		
	TJC	Douala R, CME		
	3BB	Port Louis R, MAU		
8805.7		coast stations, ch 829	SSB	QSX 8281.8 kHz
	DZL 9	Manila R, PHL		
	EQN	Khomeini R, IRN		
	FJA	Papeete R, Tahiti, OCE		
	LFL 24	Rogaland R, NOR		
	OHG 2	Helsinki R, FNL		
	OSU 42	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3E	Khulna R, BGD		
	VIS	Sydney R, NSW, AUS		
	WLO	Mobile R, AL, USA		

8805.7	XDA	Mexico City R, MEX		
	XFN	Progreso R, MEX		
	XFU	Veracruz R, MEX		
	XFY	Guaymas R, MEX		
	XF. .	many PEMEX R stations, MEX		
	XSG	Shanghai R, CHN		
	ZPB	Asuncion R, PRG		
	5AB	Benghazi R, LBY		
	5BA 48	Nicosia R, CYP		
	8Q2	Male R, MLD		
8808.8		coast stations, ch 830	SSB	QSX 8284.9 kHz
	D.. .	many R stations, PHL		
	FFL 41	Saint Lys R, F		
	OBQ 5	Iquitos R, PRU		
	PK. .	many R stations, INS		
	PP.	many R stations, B		
	SPO 42	Szczecin R, POL		
	UFH	Petropavl.-Km. R, FE, URS		
	UFM 3	Nevelsk R, FE, URS		
	WLO	Mobile R, AL, USA		
	YUR	Rijeka R, YUG		
8811.9		coast stations, ch 831	SSB	QSX 8288.0 kHz
	ASK	Karachi R, PAK		
	DYT 4	Bacolod R, PHL		
	GKW 41	Portishead R, G		
	HEB 38	Berne R, SUI		
	J..	many R stations, J		
	TAH	Istanbul R, TUR		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	Y5M	Rügen R, DDR		
	5RS	Toamasina R, MDG		
	9MG 33	Georgetown R, Pin. I., MLA		

8815.0 - 8965.0 AERONAUTICAL MOBILE (R)

8816.0		AMS = 4A 6G 12C 13J 14A	SSB
8819.0		AMS = 2B 2C 9B 10 13C	SSB
8822.0		AMS = 2A 3B 5A 5C 11B 13G 14	SSB
8825.0		AMS = NAT, 6G 13H 14F	SSB
8828.0		AMS = 1D 13N, VPAC	SSB
8831.0		AMS = NAT, 6G 13F 14F	SSB
8834.0		AMS = 2B 2C 6C 7C 10 13C	SSB
8837.0		AMS = 3A 3C 4A 9B 10B 13M	SSB
8840.0		AMS = 1C 6	SSB
	COL	Habana Air, CUB	CW
	RFNV	Moscow Air, RU, URS	CW
8843.0		AMS = CEP, 5D 6G 10E 13C 13J 13K 14D	SSB
8846.0		AMS = CAR, 2 3 7F 9	SSB
8849.0		AMS = 13K, VSEA	SSB
8852.0		AMS = 3B 3C 9 12E, VAFI	SSB
8855.0		AMS = SAM, 2 10A 14	SSB
8858.0		AMS = 4A 6G 10D 13E 13F 14D	SSB
8861.0		AMS = SAT, 3A 3B 6E 9B	SSB
8864.0		AMS = NAT, 2B 6B 6F 7E 13F	SSB
8867.0		AMS = SP, 6G 10C 13D 13M	SSB
8870.0		AMS = 5 6G 14, VNAT	SSB
8873.0		AMS = 4 6G 9C 9D 12E 12F 13I	SSB

8876.0		AMS = 2A 10A 12D 14G	SSB
8879.0		AMS = INO NAT, 3B	SSB
8882.0		AMS = 2C 6D	SSB
8885.0		AMS = 5 6B 11B 13G 14C	SSB
8888.0		AMS = 2 6G 7	SSB
8891.0		AMS = NAT, 6A 14E	SSB
8894.0		AMS = AFI, 3C 12F 14A	SSB
8897.0		AMS = EA	SSB
8900.0		AMS = 3A 10D 13G 14B	SSB
	YUR 3	Rijeka R, YUG	CW (sp 8700.0 kHz)
8903.0		AMS = AFI CWP, 10B 13M	SSB
8906.0		AMS = NAT, 6A 6E 7B 9B 13H	SSB
8909.0		AMS = 2A 6E	SSB
8910.0	**RDM 73**	**Tbilisi Meteo, GE, URS**	**(hx 4455.0 kHz)**
8912.0		AMS = 5B 6G 11B 13D 14C	SSB
8915.0		AMS = 3C 5A	SSB
8918.0		AMS = CAR MID, 6C	SSB
8921.0		AMS = W I/III	SSB
8924.0		AMS = W I/IV	SSB
8927.0		AMS = W II/V	SSB
8930.0		AMS = W I/III	SSB
8933.0		AMS = W II/V	SSB
8936.0		AMS = W I/II	SSB
8939.0		AMS = 2A 2C 6F 10B 13C	SSB
8942.0		AMS = SEA, 3A	SSB
8945.0		AMS = 10F 13K 14E, VMID	SSB
8948.0		AMS = 6A 12C	SSB
8950.0		Novosib. Met., SW, URS	(hx 4475.0 kHz)
8951.0		AMS = MID	SSB
8954.0		AMS = 3 10E 12J 14B	SSB
8957.0		AMS = 3B 6D 12C 13D 14G, VEUR	SSB
8960.0		AMS = 6G 7F	SSB
	GKX ..	Portishead Air, G	SSB
8964.0	AGA	USAF H. AFB, Honolulu, HWA	SSB
	CUW	PAF/USAF Lajes AFB, AZR	SSB

8965.0 - 9040.0 AERONAUTICAL MOBILE (OR)

8967.0	AIE	USAF Andersen AFB, GUM	SSB
	AIF 80	USAF Yokota, J	SSB
	CUW	PAF/USAF Lajes AFB, AZR	SSB
8975.5	AXJ	RAAF Pearce, WA, AUS	SSB
8984.0		many USCG stations	SSB
8988.0	MKL	RAF Edinburgh, G	CW
8989.0	ONY 77	BAF Koksijde, BEL	SSB
		many USAF stations	SSB
8992.5	6WW	FN Dakar, SEN	CW
8993.0		many USAF stations	SSB
		RAF Portland, G	SSB
9006.0	CFH	CF Halifax, NS, CAN	SSB
	CJX	CF St. John's, NFLD, CAN	SSB
	DHM 95	CF Lahr, D	SSB
9010.0	CFH	CF Halifax, NS, CAN	SSB
9011.0	AIC	USAF Clark AFB, Luzon, PHL	SSB
	AJE	USAF Croughton, G	SSB
9023.0		many NORAD stations	SSB
9032.0	AXF	RAAF Sydney, NSW, AUS	SSB
	MQP	RAF Upavon, G	SSB
9037.0	MKL	RAF Edinburgh, G	CW

9040.0 - 9500.0 FIXED

9042.0	'78 IJU'	SN Madrid, E	75 Bd: 1950 ry
9042.5	'K'	Beacon Khabarovsk, SE, URS	CW
9043.0	5YE	Nairobi Meteo, KEN	100 Bd: 0118+0232 wx
9043.5	'MET'	OTC Sydney, NSW, AUS	ARQ-M2 96 Bd: A: 0723 msg (wx forecast Macquarie Island) to 'MACQ' B: 2130 msg (E nx)
9045.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz $
9046.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0545+0650 msg (SC press review), 1346 msg (5fgs), 1354 ry
9047.5	Y2J	DP Berlin, DDR	1228-1735 ry or to Beijing
9050.0	AOK	USN Rota, E	75 Bd: 0332+0607 foxes without ID
		Span. E Moscow, RU, URS	SITOR-A: 0916 tfc to EAE 220
9053.0	Y2V 8B	ADN Berlin, DDR	1500+1700+1800+1900 E nx
9056.5	'U'	Beacon Murmansk, RU, URS	CW
9058.0	9PL	Kinshasa Air, ZAI	1738-0636 ry or msgs (ZDA)
9060.0	RCU 73	Novosib. Met., SW, URS	FAX // 3635.0 kHz $
9062.0	Y7A 36	MFA Berlin, DDR	2045 ry
9064.0	*WLO*	*Mobile R, AL, USA*	*scheduled*
9067.0		MFA Rome, I	SITOR-A: 1000 msgs (5lgs)
9070.0	6VU	ASECNA Dakar, SEN	1906-0728 ry or msgs (OLA)
9072.0	ZEN 69	XINHUA Victoria I., HKG	75 Bd: 1000+1100 E nx
9075.0	'RFFA'	MOD Paris, F	ARQ-E3 48 Bd: 0500+1730 "controle de voie" to 'RFTJD' (ITF)
		Jakarta, INS	CW
9078.0	Y7A 37	MFA Berlin, DDR	100 Bd: 0512-1712 ry or tfc
			CW
9080.0		SUNA Khartoum, SDN	1700 A nx
9086.0	Y7A 38	MFA Berlin, DDR	100 Bd: 0109+0623-1520 ry or tfc
			GDR-ARQ: 1238 tfc
	'RFFXL'	FF Beirut, LBN	ARQ-E 72 Bd: 0335 msg to 'RFFX' (XZL)
9090.0	IDR 4	IN Rome, I	CW
	NPG	USN San Fr., CA, USA	FAX // 2122.0 kHz $
	3MA 26	CNA Taipei, TAI	0230-0330+0930-1030+1330-1500 E nx
9092.5	9PL	Kinshasa Air, ZAI	VFT: 0235 ry
9096.5	RGE 37	PTT Moscow, RU, URS	ARQ-M2 96 Bd: A: 2348 to Kabul (MAF) B: 1308 to Kabul
9097.5	CUA 44	CPRM Lisbon, POR	ARQ-M2 96 Bd: A: 1235+1335 svc msgs to HVD (PVA)
9100.0		Rost.-na-D. M., RU, URS	FAX // 3610.0 kHz $
9105.0	RCF 44	R Moscow feeder, RU, URS	SSB
	5NL	Lagos Air, NIG	0120+0134+2051+2312 ry
9109.4	HSZ	Bangkok TS, THA	CW
9114.0	HGG 31	MTI Budapest, HNG	1000+1100+1700 E nx
9115.0	LRB 91	R Rivadavia feeder, ARG	SSB
9117.6	PCW 1	MFA Den Haag, NLD	SITOR-A: 1347-0010 tfc
			CW
9118.5	GPA 4	Portishead R, G	SITOR-A: 1548-0252 tts
			CW
9121.5		UNID station (789)	2030 wx (SYNOPs) fm JOR, s. off
9124.0	'HVQ 8'	VNA Hanoi, VTN	0000+0100+1000+1100 V nx
9125.0	'RFTJD'	FF Douala, CME	ARQ-E3 48 Bd: 0440 "controle de voie" to 'RFFA' (FTI)
9130.0	GYA	RN London, G	75 Bd: 0245+1717+2200+2251 test

9133.0	ZAA 6	ATA Tirana, ALB	0700+0900-1045 E nx
9135.0	FDY	FAF Orleans, F	0700 ry
	JKB 4	JIJI Tokyo, J	FAX // 6820.0 kHz
	MKD	RAF Akrotiri, CYP	VFT: 1720-1040 ryi COMB
9136.0	TJK	ASECNA Douala, CME	1728-0708 ry or msgs (KLA)
9140.0	RCV 26	ANGOP Moscow, RU, URS	1900 F nx
	RCV 26	PTT Moscow, RU, URS	SSB
	RCV 26	TASS Moscow, RU, URS	1800 E nx
	'GPX 5'	VNA Ho Chi Minh V., VTN	0119 ry
9141.5	DFJ 27	PIAB Bonn, D	FEC-A 96 Bd: 1500+1600+1700 G nx
9143.0	9MY 58	Kuala Lumpur Meteo, MLA	0000+0300+1330 ry, wx
9143.7	TUH	ASECNA Abidjan, CTI	1915-0554 ry or msgs (INA)
9145.0	RDZ 76	R Moscow feeder, RU, URS	SSB
	RIW	SN Khiva, UZ, URS	CW
9147.0	GXQ	BA London, G	VFT: ARQ-M2 96 Bd: A: 0757-1200 wx with WMO headings B: 0855 tfc (not AFTN); 1205 AFTN msgs (ANM), encrypted tfc, 1222+1242 "ch de lin hnm 500" COMB
9150.0	RCH 73	Tashkent Met., UZ, URS	FAX // 3280.0 kHz $
	ROW 25	R Moscow feeder, RU, URS	ISB
9153.0	SNN 299	MFA Warsaw, POL	75 Bd: 0550-0716 ry or msgs or msg (5fgs)
9154.0	D4B	Amilcar C. Air, Sal, CPV	1733-0744 ry or msgs (CMA)
9157.0	FIT 20B	Bastia Prefecture, F	ARQ-E3 72 Bd: 1123 msg to FIT 75 (BAI)
9157.5	WLO	Mobile R, AL, USA	FAX // 6852.0 kHz $
9159.5	5UA	ASECNA Niamey, NGR	1820-0650 ry or msgs (NIA)
9164.0	9XK	Kigali Air, RRW	1857 msg, 1900 "ch"
9169.3	HBD 20	MFA Berne, SUI	SITOR-A: 0632-1303 tfc + msgs
9173.0	CUW	PAF/USAF Lajes AFB, AZR	VFT: 75 Bd: 0248+2030+2157 foxes COMB
9173.4	*WLO*	*Mobile R, AL, USA*	*scheduled*
9177.0	FDY	FAF Orleans, F	CW
9180.0	RDH 45	R Moscow feeder, RU, URS	SSB
9185.0	6OZ	Hargeysa Prefect, SOM	SITOR-A: 1251 msg to Berbera
9187.5	FYJ 8	DIPLO Paris, F	0500+0600+0700 F nx
	5UA	ASECNA Niamey, NGR	0037+0428 ry
9190.0	RDZ 75	Moscow Meteo, RU, URS	0000-1800 ry or wx
9193.0	BAA 23	Beijing Meteo, CHN	1245-2232 wx
9196.0	TNL	ASECNA Brazzaville, COG	ARQ-M2 96 Bd: A: 1622-0209 msgs (FOA) or "ch" without AFTN heading or wx with WMO headings B: 1951-0209 msgs (FOA) or wx with WMO headings
	9HY 9	DW Cyclops, MLT	0635 ry
9197.5	A9M 41	GNA Manama, BHR	75 Bd: 0500-1500 A nx
9200.0	ROP 59	R Moscow feeder, RU, URS	ISB
9203.0	GFE 22	Bracknell Meteo, G	FAX // 2618.5 kHz $
9210.0	CLN 251	PTT Habana, CUB	1130+1924-0427 ry or to New York (CUB)
	RME 20	R Moscow feeder, RU, URS	ISB
9211.0	HBT 29	Berne Air, SUI	SSB
9211.5	STK	Khartoum Air, SDN	0122 ry
9218.0	RIT	SN Vaygach, RU, URS	CW
9220.0	RTB 26	Novosib. Met., SW, URS	FAX // 4445.0 kHz $
9224.5	'RPFR'	PAF Lajes AFB, AZR	SITOR-A: 1530 msg, 1719 tfc
9225.0	'RPFN'	PN Lisbon, POR	75 Bd: 1522 ry

9226.0	TJK	ASECNA Douala, CME	1850-0553 ry
9227.0	9KT 27	KUNA Safat, KWT	0800-2000 E nx
9228.0	5AH	Benina Air, LBY	SSB
	9HA	Luqa Air, MLT	SSB
9230.0	RXO 70	Khab. Meteo, SE, URS	FAX // 4516.7 kHz $
9231.0	9KT 27	KUNA Safat, KWT	0700-2100 A nx
9232.2	ETD 3	Addis Ababa Air, ETH	2040 ry
9236.3	EAE 220	MFA Madrid, E	SITOR-A: 0818 tfc
9237.5	AJE	USAF Croughton, G	VFT: 75 Bd: 0122+0654+1512+1544+1621+1820 wx
9242.0	LRO 64	DyN Buenos Aires, ARG	FAX 60/288 LSB ISD: 2340 pix with S text
9242.2	AJE	USAF Croughton, G	COMB
9250.0	RZT 73	R Moscow feeder, RU, URS	SSB
9252.2	ELRB	Monrovia Air, LBR	1306-0740 ry or msg (LOA)
9255.0	NGR	USN Kato Soli, GRC	FAX // 4704.0 kHz $
9255.5	'SPK 72'	SPK Phnom Penh, KMP	1000+1100 E nx, 1200+1400+1900 F nx
9260.0	JKA 3	JIJI Tokyo, J	FAX // 6820.0 kHz
9265.0	PWB	BN Belem, B	SSB
	ZRH	SAN Capetown, AFS	75 Bd: 0006+0016 clg NMN, 0049+0100 ry
9267.0	PWB	BN Belem, B	0329 msgs + tfc to PWZ
9271.2		Mombasa, KEN	0500 tfc
9278.0	OMZ	MFA Prague, TCH	75 Bd: 0725+0815 msg
9280.0	RUZU	SAAM Molodezhnaya, ANT	1511-0326 ry or wx or clg ULV
9285.0	TNL	ASECNA Brazzaville, COG	ARQ-M2 96 Bd: A: 1717-0540 msgs or "ch" (FGA) or wx with WMO headings B: 0503+0528-0539+1722+1848 msgs (FGA)
9287.3	TLO	ASECNA Bangui, CAF	2133-0437 ry or msg
9290.0	RTQ 78	Sverdlovsk Met., SW, URS	24 h ry or wx
9298.0	SOJ 229	PAP Warsaw, POL	0600 E nx
9313.0	9KT ...	KUNA Safat, KWT	0800-2000 E nx
9313.5	'U'	Beacon Murmansk, RU, URS	CW
9316.7		Egyptian E Bamako, MLI	SITOR-A: 0720 ATU-A msgs to Cairo
9317.0	9KT ...	KUNA Safat, KWT	0700-2100 A nx
9318.0	DHJ 51	Grengel Meteo, D	100 Bd: 24 h ry or wx
9320.0	RDZ 70	R Moscow feeder, RU, URS	SSB
9322.0	'X'	Beacon Prague, TCH	CW
9324.0	BZZ 28	XINHUA Beijing, CHN	FAX // 5815.0 kHz
9328.0	AJE	USAF Croughton, G	VFT: 75 Bd: 0730 msgs (wx) to CUW
9330.0	XVN 26	VNA Hanoi, VTN	1500 E nx, 1600 F nx
9334.3	AJE	USAF Croughton, G	SSB
9337.0	'RFFX'	FF Versailles, F	ARQ-E 72 Bd: 0610 encrypted msgs after "KKKK..." to 'RFFXL' (XXL)
9340.0	RCH 72	Tashkent Met., UZ, URS	FAX // 3690.0 kHz $
9341.0	FDY	FAF Orleans, F	0817-1526 ry
9341.3	EAE 220	MFA Madrid, E	SITOR-A: 0809 tfc
9342.0	HGX 21	MFA Budapest, HNG	DUP-ARQ: 0518 tfc to HGX 36
	HGX 36	Hungar. E Bangkok, THA	DUP-ARQ: 0518 msg to HGX 21
9347.0		Jakarta, INS	SSB
9347.5	STK	Khartoum Air, SDN	1408-0142 ry or msgs (SKA)
9349.3	FDY	FAF Orleans, F	CW
9350.0	RVU 75	R Moscow feeder, RU, URS	ISB
9353.0	OLX 5	CETEKA Prague, TCH	1900-2000 E nx
9355.0	RNR 4	Magadan Meteo, FE, URS	FAX // 5755.0 kHz
		Marka, SOM	CW/SSB

9355.0		Muqdisho, SOM	CW/SSB
9360.0	OXT	Copenhagen Meteo, DNK	FAX // 5850.0 kHz $
9367.0		Turkish E Tirana, ALB	FEC-A 144 Bd: 0837 msg (51gs)
9370.0	AOK	USN Rota, E	75 Bd: 0047+0507 foxes without ID
9382.5	AOK	USN Rota, E	FAX // 4704.0 kHz $
9383.0		UNID station (1089)	FEC-A 144 Bd: 0841 encrypted msg after "BBB...", final tfc, into
			CW
9385.5	ZUD 68	PTT Pretoria, AFS	AUTOSPEC 68 Bd: 1801 clg ZRS, 1812 test
9388.0	ZAO 3	PTT Tirana, ALB	1132+1600+1617 to Beijing
9391.0	SOJ 239	PAP Warsaw, POL	0700 F nx, 1800+2000 E nx
9395.0	HMF 84	KCNA Pyongyang, KRE	1245 R nx wca, 1500+1600 E nx, 1800-2100+2130-2400 F nx
9398.0	NPM	USN Pearl Harbour, HWA	FAX // 2122.0 kHz $
9402.5	OST	Oostende R, BEL	SITOR-A: 24 h tts; QSX 8395.5 kHz
			CW
9410.5	JKE 6	JIJI Tokyo, J	FAX // 6820.0 kHz
9417.0	BZP 59	XINHUA Beijing, CHN	75 Bd: 0000+0100+0200+1400+1500+1600+1800 E nx
9419.0	CUA 48	CPRM Lisbon, POR	CW
9420.0	GYU	RN Gibraltar, GIB	0821+1045+1946 foxes, 2308 clg MUH
9425.0	AOK	USN Rota, E	75 Bd: 0044+0115+0317+0506 foxes without ID
9430.0	ZAT	ATA Tirana, ALB	0800-1045 F nx, 1100+1500+1700-1845 E nx
	3MA 34	CNA Taipei, TAI	FAX // 5117.0 kHz
			CW
9438.0	JMJ 3	Tokyo Meteo, J	FAX // 3365.0 kHz $
9439.7		KCNA Pyongyang, KRE	FAX // 7363.7 kHz
9444.5	ZEN 44	UPI Victoria Island, HKG	FAX 60/288 LSB ISD: 0506+0537+1038+1137 pix
9446.0	5HD	Dar es Salaam Air, TZA	1252 ry
9456.0	RCV	SN Moscow, RU, URS	CW
9459.0	ZKLF	Auckland Meteo, NZL	FAX // 5807.0 kHz $
			CW
9462.5	ETD 3	Addis Ababa Air, ETH	0357 ry
9463.0	JYF 4	PETRA Amman, JOR	0400 A nx, 0800-0900 E nx, 0900+1000+1400+1500 A nx, 1700 E nx
9476.0	RCV	SN Moscow, RU, URS	CW
9485.0	NPO	USN Subic Bay, PHL	CW
9491.0	BZR 69	XINHUA Beijing, CHN	75 Bd: 0100 E nx
9498.5	NWC	USN Exmouth, WA, AUS	FAX // 3379.5 kHz $

9500.0 - 9900.0 BROADCASTING < 530 531 >

9788.0	FTJ 78	DIPLO Paris, F	0800-1900 F nx
9797.0	YOJ 27	AGERPRES Bucharest, ROU	0900 E nx, 1000 F nx
9800.0	RUU 78	Leningrad Meteo, RU, URS	(hx 4900.0 kHz)
9828.0	'SPK 10'	SPK Phnom Penh, KMP	0800 F nx, 0900 E nx, 1000 F nx
9846.0	TUH	ASECNA Abidjan, CTI	1811-0930 ry or msgs (ILA)
9848.0	5UA	ASECNA Niamey, NGR	1720-0928 ry or msgs (NTA)
9850.0	GYU	RN Gibraltar, GIB	75 Bd: 0015 clg MTT
	RED 54	TASS Moscow, RU, URS	0600+1700+1800 P nx
9855.0		VoA Tanger, MRC	75 Bd: 2300-0300 E nx
9871.5	ONY 27	NATO Mons, BEL	CW

9873.5	ETD 3	Addis Ababa Air, ETH	0752 msgs
9875.0	AOK	USN Rota, E	FAX // 4704.0 kHz $
9898.0	FDY	FAF Orleans, F	1111 ry

9900.0 - 9995.0 FIXED

9923.5	4US	UNO Nicosia, CYP	75 Bd: 0525-2325 ry or msg
9927.5	RXA 76	Alma Ata Meteo, KA, URS	FAX 120/576: 0300 chart Arctic (zenithal projection)
9940.0	MKD	RAF Akrotiri, CYP	VFT: 24 h ryi COMB
9946.5		Spanish E Jeddah, ARS	SITOR-A: 0831 encrypted msgs to EAE 220
9965.0	70B 45	ANA Aden, YMS	1630-1730 A nx, 1800 E nx
9970.0	JMH 3	Tokyo Meteo, J	FAX // 3622.5 kHz $
9980.5	'RFFA'	MOD Paris, F	ARQ-M2 96 Bd: A: 0634+1648+1800 msg to 'RFVI'
9982.5	KVM 70	Honolulu Meteo, HWA	FAX $
9994.0	CSY	Santa Maria Air, AZR	24 h ry or msgs (MCA)

9995.0 - 10003.0 STANDARD FREQUENCY AND TIME SIGNAL < 501 >

9996.0	RWM	Moscow TS, RU, URS	CW
10000.0	ATA	Delhi TS, IND	SSB
	BPM	Xi'an TS, CHN	CW/SSB
	JJY	Tokyo TS, J	COMB
	LOL 2	AN Buenos Aires TS, ARG	CW/SSB
	RCH	Tashkent TS, UZ, URS	CW
	RTA	Novosibirsk TS, SW, URS	CW
	WWV	Fort Collins TS, CO, USA	COMB
	WWVH	Kihei TS, Maui Island, HWA	COMB
10002.3	EHY	Pozuelo del Rey R, E	(sp fm ?) CW (sp fm ?)

10003.0 - 10005.0 STANDARD FREQUENCY AND TIME SIGNAL + Space Research < 501 >

10003.0	*worldwide*	*MSV SAR operations frequency*	SSB
10004.0	RID	Irkutsk TS, SE, URS	CW

10005.0 - 10100.0 AERONAUTICAL MOBILE (R) < 501 >

10006.0		AMS = 6A 10 13G	SSB
	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1357-1426 msgs, 1605 tfc to Tirana
10009.0		AMS = 2B 2C 7B 9B 13K	SSB
10012.0		AMS = 5 10 13J	SSB
	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1612 msg (51gs) + tfc to Bonn CW
10015.0		AMS = 2 6C 12D	SSB
10018.0		AMS = MID, 6G 9 13J 13K	SSB
10021.0		AMS = 1 6B 12C 13G	SSB
10024.0		AMS = SAM, 2B 2C 3B 9B	SSB
10025.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1353 idling
10027.0		AMS = W I/II	SSB
10030.0		AMS = W I/IV	SSB
10033.0		AMS = W II/V	SSB

10036.0		AMS = 1E 6E 13G 13H	SSB
	TAD	**MFA Ankara, TUR**	**FEC-A 144 Bd: 1708 msgs to Bonn**
10039.0		AMS = 3B 3C 4A 9B 12C	SSB
10040.0	**RWW 74**	**Moscow Meteo, RU, URS**	**(hx 5020.0 kHz)**
10042.0		AMS = EA, 9C 10F 13C 13J 13K	SSB
10045.0		AMS = 2 3A 11B 13H 14	SSB
10046.0	4XZ	IN Haifa, ISR	CW
10048.0		AMS = NP, 2A 5D 13A 13B	SSB
10051.0		AMS = 6A 6E 13I, VNAT	SSB
10054.0		AMS = 2A 2C 6G 12	SSB
10057.0		AMS = CEP, 3A, VAFI	SSB
10060.0		AMS = 1D 6F 13K	SSB
10063.0		AMS = 4B 6G 12E	SSB
10066.0		AMS = SEA, 1B 10A 13M	SSB
10069.0		AMS = W I/IV	SSB
10072.0		AMS = W I/III	SSB
10075.0		AMS = W II/V	SSB
10078.0		AMS = W I/III	SSB
10081.0		AMS = CWP, 4A 6A 7C 13F	SSB
10084.0		AMS = EUR SP, 6E 13D	SSB
10087.0		AMS = 3 14, VSAM	SSB
10090.0		AMS = 12E 12F, VNCA	SSB
10093.0		AMS = 5B 6B 11B 13N	SSB
10096.0		AMS = NCA SAM, 7D	SSB

10100.0 - 10150.0 FIXED + Amateur < 510 >

10105.0	**RKA 79**	**TASS Moscow, RU, URS**	**0430+0500 E nx, 0700 F nx, 1100+1200 A nx**
10105.5	FDY	FAF Orleans, F	CW
10106.0	**AOK**	**USN Rota, E**	**75 Bd: 0345+1133+1401+2130+2146 foxes without ID**
10107.5	ATE 60	Delhi Meteo, IND	FAX // 4993.5 kHz $
10111.0	**5YE**	**Nairobi Meteo, KEN**	**75 Bd: 1734-0433 wx**
10114.0		**KPL Vientiane, LAO**	**0800+0900 E nx**
10115.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz $
10117.0	BAF 4	Beijing Meteo, CHN	FAX // 5527.0 kHz $
10118.5	**NGR**	**USN Kato Soli, GRC**	**VFT: 0957 E nx**
10120.0	**RGI 24**	**TASS Moscow, RU, URS**	**0700-1645 F nx**
	'RFFX'	**FF Versailles, F**	**ARQ-E 72 Bd: 0406 msg to 'RFFXL' (XXL)**
10122.5	**'VECC'**	**Calcutta Air, IND**	**1014-1648 ry**
10123.0	SUU	Cairo Meteo, EGY	FAX // 4526.0 kHz $
10125.0	**OLG 3**	**PTT Prague, TCH**	**1450 ry, 1459 clg + tfc to Tirana, 1520 ry**
10127.4	**DFK 25L1**	**DW Cologne, D**	**1049 s. on with ry**
10130.0	RBW 48	Murmansk Meteo, RU, URS	FAX 120/576: 0735 chart Northern Europe, 0755 AXXX 0600 Norwegian Sea - Barents Sea, 1730 chart
	RBX 73	**Tashkent Meteo, UZ, URS**	**0324-0815 wx**
10137.0	**TNL 97**	**Brazzaville Meteo, COG**	**1536-0648 ry or wx**
10142.0	RUZU	SAAM Molodezhnaya, ANT	FAX 120/576: 0100+1200+1300 chart Antarctic
10145.0	**XVZ**	**Ho Chi Minh V. Air, VTN**	**0437+1640+2043+2250 ry**

10150.0 - 11175.0 FIXED + Mobile except aeronautical mobile (R)

10150.0	**SUA 246**	**MENA Cairo, EGY**	**0600-2400 A nx**

10151.9	SAM	MFA Stockholm, S	SITOR-B: 1000 msg (Swedish nx)
10153.0	9KT 281	KUNA Safat, KWT	0800-2000 E nx
10157.0	9KT 281	KUNA Safat, KWT	0700-2100 A nx
10162.5	YIL 71	INA Baghdad, IRQ	1300-2000 A nx
10165.0	RPT 31	TASS Moscow, RU, URS	1700 F nx
10165.5		Yugoslav E Tirana, ALB	75 Bd: 1017 to 'DFZG' CW
10167.0	BAF	Beijing Meteo, CHN	FAX // 3170.0 kHz
10169.0	HSW 63	Bangkok Meteo, THA	24 h wx
	'RFTJD'	FF Douala, CME	ARQ-E 72 Bd: 0145-0500+1730 "controle de voie" to 'RFFA' (JDA)
10172.0		MFA Rome, I	SITOR-A: 0937 msgs (5lgs)
10176.0	'RFFA'	MOD Paris, F	ARQ-M2 96 Bd: A: 0717+0719 "controle de cle" to 'RFLI', 0910 msgs to 'RFLI' (LFB) B: 0910 msgs to 'RFLI' (LSB)
10177.0		Polish E Stockholm, S	75 Bd: 1450 msg + tfc + msg (5fgs) to SNN 299
10200.0	JAE 50	JIJI Tokyo, J	1000+1100+1200 S nx
	MKK	RAF London, G	VFT: 24 h ryi COMB
10205.0	RTP 78	Irkutsk Meteo, SE, URS	FAX // 5280.0 kHz
10210.0	'UWWB'	Bugul'ma Air, RU, URS	1606 msgs (5lgs) (!) (BDA)
10213.0	CNM 29	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
10214.0	EPD	Tehran Air, IRN	1647-2255 ry or msg
10214.5	'U'	Beacon Murmansk, RU, URS	CW
10215.0	HZN 48	Jeddah Meteo, ARS	100 Bd: 24 h ry or wx
10220.0	CML 28	PTT Habana, CUB	1347-0251 ry or to ITT New York (HVA)
	MKD	RAF Akrotiri, CYP	VFT: 1828-0907 ryi COMB
	RDW 76	Khab. Meteo, SE, URS	FAX // 3250.0 kHz
10230.0	RKA 78	Moscow Meteo, RU, URS	FAX // 53.6 kHz $
10233.0		VoA Greenville, NC, USA	VFT: 75 Bd: 2200-0300 E nx, 0300+0400 A nx
10234.3		VoA Greenville, NC, USA	// 10233.0 kHz
10235.0	3MA 99	CNA Taipei, TAI	0230-0330+0930-1030+1330-1500 E nx
		VoA Greenvl. fdr., NC, USA	SSB
10235.5	STK	Khartoum Air, SDN	0500 "ch" (SMA)
10235.8		VoA Greenville, NC, USA	// 10233.0 kHz
10237.2		VoA Greenville, NC, USA	// 10233.0 kHz
10240.0	RGE 34	TASS Moscow, RU, URS	0600+0700 P nx, 1400-2100 E nx
10245.0	SOK 244	PAP Warsaw, POL	1700 E nx
10250.0		Madrid Meteo, E	FAX // 3650.0 kHz $
10255.0	KWS 78	USE Athens, GRC	CW
10257.0	NPN	USN Apra Harbour, GUM	FAX // 7894.0 kHz $
10258.0	NAM	USN Norfolk, VA, USA	VFT: 2000+2200 E nx VFT: 75 Bd: 0237 foxes without ID, 1605+2215 wx
	RDZ 71	TASS Moscow, RU, URS	1700+1800 E nx
10270.0	RKA 25	TASS Moscow, RU, URS	1300-2200 E nx
10271.0		Tanjung Pinang, INS	SSB
10275.0	RYM	IAG Moscow, RU, URS	SSB
10278.8	YZA 9	TANJUG Belgrade, YUG	1700+1800 F nx
10280.0	MKK	RAF London, G	VFT: 0824-2127 ryi COMB
10291.0	GKX ..	Portishead Air, G	SSB
10295.0	FSB 71	INTERPOL Paris, F	SITOR-A: 0938-2150 tfc or msgs CW

10296.0	HZN	Jeddah Meteo, ARS	FAX // 5452.0 kHz $
10298.0	HSW 62	Bangkok Meteo, THA	24 h wx
10307.5	OLG 4	PTT Prague, TCH	1156+1250 ry, 1700+1757+1804 to BAC 38 or BCL 21
10308.0	FDY	FAF Orleans, F	0737+1621-2250 ry
10320.0	BAA 8	Beijing Meteo, CHN	2340-0937 ry or wx
10337.0	JTD 29	MONTSAME Ul. Bator, MNG	1600+1700 E nx
	WFL 50	ITT New York, NY, USA	0023+0224 foxes
10346.0	GYA	RN London, G	75 Bd: 0441 test
	GYU	RN Gibraltar, GIB	VFT: ARQ-M2 96 Bd: A: 1048 encrypted tfc COMB
10350.4		GOTIM Medan, INS	SSB
10373.0	70W 93	Aden, YMS	CW
10380.0	FGB 55	FMC Biscarrosse, F	SSB
	RBW 43	SAM Murmansk, RU, URS	0708+0815+1015 R msgs wtsca CW
10380.8		VoA Greenville, NC, USA	VFT: 75 Bd: 0800+1000+1100 E nx
10382.2		VoA Greenville, NC, USA	// 10380.8 kHz
10384.2	5YE	Nairobi Meteo, KEN	1957+2120 wx
10387.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz $
10390.0	DEB	INTERPOL Wiesbaden, D	SITOR-A: 0846 msg to IUV 81
	FSB 57	INTERPOL Paris, F	SITOR-A: 24 h tfc + msgs CW
	IUV 81	INTERPOL Rome, I	SITOR-A: 0846+1530 tfc to DEB
	JBF 40	KDD Tokyo, J	SSB
10391.0	5NL	Lagos Air, NIG	1945-0447 ry
10398.0	HGX 21	MFA Budapest, HNG	0854 clg + tfc to HGX 36, 1452 tfc, 1645 clg HGX 41
10400.0	9VF 63	ANSA Singapore, SNG	(sp 10408.0 kHz)
10401.2	HGX 21	MFA Budapest, HNG	DUP-ARQ: 0841 tfc to various embassies
10403.0	JAF 40	KDD Tokyo, J	SSB
10408.0	9VF 63	ANSA Singapore, SNG	1700 E nx
10414.0	HGX 21	MFA Budapest, HNG	0522 ry
10415.0	JJD	RRL Tokyo, J	CW
	SNN 299	MFA Warsaw, POL	75 Bd: 0700 msg (Polish/E nx)
	'RFFXL'	FF Beirut, LBN	ARQ-E 72 Bd: 0318 msg to 'RFFX' (XZL)
10416.0	9VF 63	ANSA Singapore, SNG	(sp 10408.0 kHz)
10419.5	FDY	FAF Orleans, F	CW
10420.0		RFE Holzkirchen feeder, D	ISB
10424.0	YMA 20	Ankara Meteo, TUR	24 h ry or wx
10429.0	GXQ	BA London, G	VFT: 0838 ryi COMB
10435.0	ZAY	ATA Tirana, ALB	1400+1500 F nx
10440.0	DFK 44	DW Cologne feeder, D	SSB
	Y3A 5	DP Berlin, DDR	0930-1417 ry or to Damascus
10454.0		VoA Greenvl. fdr., NC, USA	ISB
10461.0	4UZ	UNO Geneva, SUI	VFT: 75 Bd: 24 h ry or msgs
10464.0	KWL 90	USE Manila, PHL	CW
	Y7A 45	MFA Berlin, DDR	0130-1539 ry or tfc
10465.0	RKA 74	APN Moscow, RU, URS	100 Bd: 0700+0800+1000 R nx wtsca
10470.0	BLM 23	Chengdu Meteo, CHN	0053-0933 wx
10478.5		Batam Island, INS	SSB
10479.5	BCX 22	PTT Shanghai, CHN	1156 clg OLD, 1236+1836 to OLD
10486.0	9NK	Kathmandu Air, NPL	0026-0153+2135 ry or to AWC
10492.0	'RFTJF'	FF Port Bouet, CTI	ARQ-M2 96 Bd: A: 0120 msg (JFJ) B: 1810 msg
10495.0	MKD	RAF Akrotiri, CYP	VFT: 24 h ryi COMB

10509.5	60M	Muqdisho Air, SOM	1813-0435 ry
10518.0		JANA Tripoli, LBY	1400+1500+1700+1800 A nx
10520.0		Murmansk Met., RU, URS	FAX // 4142.0 kHz $
10523.5	AIF 80	USAF Yokota, J	SSB
10524.0	HMF 45	KCNA Pyongyang, KRE	1145-1445 F nx
10532.9	'CRO'	USAF Croughton, G	VFT: 75 Bd: 1252-2236 wx
10535.0	ATS 61	OTS Delhi, IND	0354-1402 to Kabul (BK)
10536.0	CFH	CF Halifax, NS, CAN	75 Bd: 24 h ry or wx FAX // 122.5 kHz $
10537.8	AJE	USAF Croughton, G	COMB
10540.2	CSY	Santa Maria Air, AZR	0359+1106+2105 ry
10543.0	Y2V 54	ADN Berlin, DDR	0700-0200 E nx
10547.5		MFA Rome, I	SITOR-A: 1334 msg (5lgs)
10551.3	GFL 23	Bracknell Meteo, G	24 h wx
10552.7		MFA Cairo, EGY	SITOR-A: 1605 clg Paris SITOR-B: 1607 clg Paris
10554.0	Y7A 46	MFA Berlin, DDR	100 Bd: 0554 ry
10555.0	AXI 34	Darwin Meteo, NT, AUS	FAX // 5755.0 kHz $
10557.9	FTK 56H1	AFP Paris, F	0300+0500+1600+2100 A nx
10559.3	FTK 56H3	AFP Paris, F	0200+0400+1600+1700+1800+1900+2100 F nx
10562.2	FTK 56A	AFP Paris, F	CW
10570.0	RWH 79	Alma Ata Meteo, KA, URS	0253-1227 wx
10586.0	MKD	RAF Akrotiri, CYP	VFT: 24 h ryi COMB
10600.0	XVN 37	VNA Hanoi, VTN	1400+1500+1600+1700 E nx, 1800 F nx
10602.5	NAN	Lagos, NIG	100 Bd: 1500-1900 E nx
10605.0	'RFTJ'	FF Dakar, SEN	ARQ-M2 96 Bd: B: 0333+2133+2203+2352 svc msgs + "controle de voie" to 'RFQP' (TJA)
10612.8	S2D	Dhaka Air, BGD	1938 msg, 2315 ry (DBA)
10614.3	FTK 61H1	AFP Paris, F	0500+0600+1700+1800 F nx
10620.0	RWC 62	R Moscow feeder, RU, URS	SSB
10634.1	CNM 37.9X	MAP Rabat, MRC	1000-1130+1530-1700 F nx
10635.0	SUC	Cairo Air, EGY	24 h ry or msgs (ESA)
10637.0	KKN 50	MFA Washington, DC, USA	CW
10643.5	'D'	Beacon Odessa, UK, URS	CW
	'S'	Beacon Arkhangelsk, RU, URS	CW
10644.0	'C'	Beacon Moscow, RU, URS	CW
10644.2	'P'	Beacon Kaliningrad, RU, URS	CW
10645.0	'F'	Beacon Vladivostok, SE, URS	CW
10646.0	'O'	Beacon Moscow, RU, URS	CW
10646.7	'Z'	Beacon Mukachevo, UK, URS	CW
10646.8	'L'	Beacon Leningrad, RU, URS	CW
10647.0	'Ü'	Beacon Kholmsk, FE, URS	CW
10650.0	BJZ 23	Wuhan Meteo, CHN	0006-1006 wx
10654.0	MKK	RAF London, G	VFT: 0558+1618+1749+2130 ryi COMB
10654.3	HSD	Bangkok Air, THA	24 h msgs (BDA)
10665.0	RCQ 73	Yakutsk Meteo, SE, URS	FAX 90/576: 0100-0810 charts
	'RFTJDA'	FF Libreville, GAB	ARQ-E 72 Bd: 1843 msg to 'RFTJD' (DAD)
10669.5	CLP 1	MFA Habana, CUB	1525+2231 msgs to Panama
10670.0	RZA 26	R Moscow feeder, RU, URS	SSB
		AZAP Kinshasa, ZAI	1800 F nx
10675.0	REM 51	TASS Moscow, RU, URS	0700-1900 F nx
10679.5	LRN 2	AP Buenos Aires, ARG	FAX // 5777.5 kHz
10680.0	FGB 55	FMC Biscarrosse, F	SSB
10680.5	'RFFXI'	FF Bangui, CAF	ARQ-E 72 Bd: 0505 msg to 'RFFX' (XXI)
10690.0	RIW	SN Khiva, UZ, URS	CW

10690.0	RKM 22	R Moscow feeder, RU, URS	SSB
10694.0	SOK 269	PAP Warsaw, POL	CW
10710.0	JAG 30	PL Tokyo, J	1100+1200+1730 S nx
	RKA 73	Moscow Meteo, RU, URS	FAX $
10720.0	LRB 72	Buenos Aires Met., ARG	FAX // 5185.0 kHz $
10740.0	RKA 72	R Moscow feeder, RU, URS	SSB
10754.1	HVH	PTT Vatican City, CVA	ARQ-M2 96 Bd: B: 1619 to CUA 67 (VAP)
10762.8	HMY 56	PTT Pyongyang, KRE	1250-2029 ry or to Y2J or Y3D 5
10764.0		French E Manila, PHL	ARQ-E 72 Bd: 1049 msg to Delhi
10770.0	RTT 42	R Moscow feeder, RU, URS	SSB
10772.0	VDD	CF Debert, NS, CAN	COMB
10780.0	AFE 70	USAF Cp. Canaveral, FL, USA	SSB
	AFE 86	USAF Cedar Grove, ATG	SSB
	SDN 6	ST Stockholm, S	ARQ-M2 96 Bd: A: 2006+2025 to Ho Chi Minh Ville (SHO) B: 1755+1014 to Ho Chi Minh Ville (SHO)
10784.5	Y2V 43B	ADN Berlin, DDR	0645 P nx, 1800-1950 F nx
10785.5	Y2V 43A	ADN Berlin, DDR	1800 E nx
10795.0	JAG 50	KYODO Tokyo, J	0250-0320+0440-0600+0610-0630 E nx
10800.0	'RFLI'	FF Fort de France, MRT	ARQ-E3 48 Bd: 0531+0631 "controle de voie" (IRT)
10801.0		Cebu, PHL	SSB
10802.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0704 encrypted msg FEC-A 144 Bd: 0630 msg to Bonn, 0755 msgs
10805.0		NA Buenos Aires, ARG	75 Bd: 0900+1000+1200+2000-0300 S nx
10809.0		PTT Pyongyang, KRE	SSB
10814.2	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 0126+0608-2045 msgs or encrypted tfc after "KKKK..." or "controle de voie" or svc msg to 'RFFA' (QPA, QPB) B: 0605-2045 msgs or air msgs or encrypted tfc after KKKK..." or "controle de voie" to 'RFFA' (QPA, QPB)
10815.0	IRH 58	ANSA Rome, I	1400+1600 F nx, 1700+1800+1900 E nx, 2000 F nx
10819.5	UHF 3	Moscow, RU, URS	CW
10820.0	BAL 21	PTT Beijing, CHN	1154-1458 ry
10830.0	RUZU	SAAM Molodezhnaya, ANT	FAX // 10142.0 kHz
	ULV	SA/AAMC Moscow, RU, URS	0612 R msg (TASS nx) wtsca, 0650+0657+0703+0732 R msgs wtsca, 0830 R nx wtsca, 1225 clg UKS
10837.5	USY	SAM Nordvik, SE, URS	1504 wx to ULV
10841.0	MUA	BA London, G	VFT: ARQ-M2 96 Bd: A: 0328+1200 encrypted tfc
10842.0		Banda Aceh, INS	SSB
10844.6	AXJ	RAAF Pearce, WA, AUS	COMB
10855.0	GXQ	BA London, G	VFT: 0309+1708+1925 ryi
		R Moscow feeder, RU, URS	ISB
10858.0	'RFFX'	FF Versailles, F	ARQ-E 72 Bd: 0456 msg to 'RFFXI' (XXI)
10859.0	YAD 4	PTT Kabul, AFG	0335-0640+1152-1430 ry or to ATS 61
10860.0		RFE Holzkirchen feeder, D	ISB

10865.0	NAM	USN Norfolk, VA, USA	FAX // 3357.0 kHz $
	RZA 24	APN Moscow, RU, URS	100 Bd: 0700+0800+1000+1100 R nx wtsca
10867.1	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: A: 1557-1625 msgs to 'RFQP', 1741+1820 "controle de voie" to 'RFQP' (RUN)
10869.0		VoA Bethany fdr., OH, USA	ISB
10872.0	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: B: 0349+0520 msgs to 'RFFA' (REI)
10874.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
10880.0	REM 50	TASS Moscow, RU, URS	1600+1700+1800 E nx
10889.5		Medan, INS	SSB
10890.0	GXQ	BA London, G	VFT: 24 h ryi COMB
10893.5	LRB 39	TELAM Buenos Aires, ARG	0900+1900-0100 S nx
10905.0	BBA 45	PTT Shanghai, CHN	1136 ry
10911.0	HGH 29	MTI Budapest, HNG	1615 F nx
10912.0		Mataram, INS	SSB
10916.0	'RFTJ'	FF Dakar, SEN	ARQ-M2 96 Bd: B: 1643 msg to 'RFTJF'
10919.5	Y2V 22B	ADN Berlin, DDR	1400 F nx, 1600+1700 A nx, 1800 F nx, 1900 E nx
10920.5	Y2V 22A	ADN Berlin, DDR	1500-2000 E nx, 2200 S nx
10922.0	DFK 92	DW Cologne feeder, D	SSB
10930.0	RUN 64	PTT Moscow, RU, URS	SSB
10937.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
10945.0	CFH	CF Halifax, NS, CAN	CW
10949.6	'RFFA'	MOD Paris, F	ARQ-M2 96 Bd: A: 0520+1628+2012+2039 msgs or encrypted tfc after "KKKK..." to 'RFQP' (PQB) B: 0523-2200 msgs or encrypted tfc after "KKKK..." to 'RFQP' (PQB)
10950.0	9MB	MN Georgetown, Pin.I., MLA	CW
10955.0	RBI 75	R Moscow feeder, RU, URS	SSB
10956.2	HBD 20	MFA Berne, SUI	SITOR-A: 1000 msg (F/G nx)
10960.0	3MA 28	CNA Taipei, TAI	0230-0330+0930-1030+1330-1500 E nx
10965.0	JYN 41	Amman Meteo, JOR	0615+0915+1215+1415+1515 wx
10968.0	HBD 20	MFA Berne, SUI	SITOR-A: 1445 tfc to HBD 38
	HBD 38	Swiss E Oslo, NOR	SITOR-A: 1445 msgs to HBD 20
	NPO	USN Subic Bay, PHL	FAX // 3379.5 kHz $
10972.0		VoA Tanger, MRC	75 Bd: 2200-0600 E nx
10973.5	HBD 20	MFA Berne, SUI	SITOR-A: 1338 tfc
10980.0	RDD 79	Moscow Meteo, RU, URS	FAX // 2815.0 kHz $
		Jakarta, INS	SSB
10982.0	BAP 40	XINHUA Beijing, CHN	0600+0700+0800 E nx
10985.0	RCB 53	TASS Moscow, RU, URS	0430+0500 E nx, 1500 P nx, 1700+1800+1900+2000 A nx, 2100 F nx F7B: 1700 A/F nx
10990.0		SABS Riyadh feeder, ARS	ISB
10996.0	7RQ 20	MFA El Djaza'ir, ALG	CW
10999.0		VoA Tanger, MRC	(sp 10972.0 kHz)
11000.0	RIW	SN Khiva, UZ, URS	CW
11005.7	70C	Khormaksar Air, YMS	0150 ry, 0645 msg
11010.0	GYA	RN London, G	75 Bd: 1840-0310 test
11013.0		DyN Buenos Aires, ARG	75 Bd: 1500+2000-0400 S nx
11014.0	SUU	Cairo Meteo, EGY	1917-0554 wx
11020.0	RCB 52	R Moscow feeder, RU, URS	SSB
11025.0	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW
	'RPTIH'	PN Horta, AZR	0244 clg 'RPFNN'

11027.5	9PL	Kinshasa Air, ZAI	1608-0649 ry or msgs (ZLA)
11030.0	AXM 34	Canberra Meteo, ACT, AUS	0902 ry, 1635 test (wx) FAX // 2628.0 kHz $
	DFL 21	DW Cologne feeder, D	SSB
11035.0	UKS	SAM Barentsburg, Spitsbergen, NOR	0654-1552+2146 clg ULV CW
11039.0	DDH 9	Hamburg Meteo, D	CW
11041.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11045.0	C8E 231	Beira, MOZ	SSB
11048.0	RIW	SN Khiva, UZ, URS	CW
11055.0	AFA	USAF A. AFB, C.S., MD, USA	SSB
11057.4	‘RIFAG’	IA Palermo, I	(hx 3685.8 kHz)
11061.5	STK	Khartoum Air, SDN	0219+0543+2336 msgs (SKA)
11063.0	LZU 2	Sofia Meteo, BUL	0601-1743 ry or wx
11065.0	YAV	Kabul Air, AFG	1528-0459 ry or clg EPD or msgs (KTA)
	9VF 69	TAS Singapore, SNG	SSB
11070.0	LOR	AN Puerto Belgrano, ARG	75 Bd: 1447+1957-0429 ry or msgs or wx or navigational warnings
11076.5	OEC ..	Austrian E Moscow, RU, URS	SI-ARQ 96 Bd: 5 characters: 1346 msgs to OEC
11080.0		SANA Damascus, SYR	0700-1600 A nx
11086.5	GFA 24	Bracknell Meteo, G	FAX // 3289.5 kHz $
11090.0	KVM 70	Honolulu Meteo, HWA	FAX // 9982.5 kHz $
11095.0	MKD	RAF Akrotiri, CYP	VFT: 1046-0242 ryi COMB
11098.5		MFA Rome, I	SITOR-A: 0955 final tfc, s. off; 1600 msg (I nx), 1715 clg Cairo
11100.0	CAK	Santiago Air, CHL	24 h ry or msgs
11105.0		Marka, SOM	SSB
11108.8	‘RFLI’	FF Fort de France, MRT	ARQ-M2 96 Bd: B: 0428-2340 msgs or "controle de voie" to ‘RFFA’ (ALI)
11110.0	LZG 2	BTA Sofia, BUL	1200+1300 E nx
11112.5	ETD 3	Addis Ababa Air, ETH	1900 ry
11118.0	AFS	USAF AWS Omaha, NE, USA	75 Bd: 2022 wx
11121.0	AFS	USAF AWS Omaha, NE, USA	FAX // 3232.0 kHz
11123.5	5YE	Nairobi Meteo, KEN	100 Bd: 0133+0412+0546+1233-1621 wx
11123.6	DFL 26	PIAB Bonn, D	FEC-A 96 Bd: 1300 G nx
11125.0	Y3B	ADN Berlin, DDR	1900+2000+2100 E nx
11126.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11127.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz $
11132.0	RMP	SN Kaliningrad, RU, URS	CW
11133.0	BZG 41	XINHUA Beijing, CHN	1400+1500+1600+1700+1800 F nx
	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11140.0	‘RPFN’	PN Lisbon, POR	75 Bd: 1500+1521 ry
11142.0	KRH 50	USE London, G	CW
11145.0	‘RPTMB’	PN Porto Santo, MDR	0130 ry
11147.0	C9E 2	Maputo Air, MOZ	0700 ry
11148.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11149.0	‘DFZG’	MFA Belgrade, YUG	75 Bd: 0530 ry, 0545 msg (SC press review), 1015+1510 ry, 1515 msg
11150.0		VoA Greenvl. fdr., NC, USA	SSB
11155.0	'K'	Beacon Khabarovsk, SE, URS	CW
11160.0	FDY	FAF Orleans, F	CW
11163.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11174.7	5HD	Dar es Salaam Air, TZA	1643-0410 ry or msgs (DBA)

11175.0 - 11275.0 AERONAUTICAL MOBILE (OR)

11176.0		many USAF stations	SSB
11179.0	AFE	USAF MacD. AFB, T., FL, USA	SSB
	AGA	USAF H. AFB, Honolulu, HWA	SSB
11182.0	JWT	NN Stavanger, NOR	SSB
11185.0		Banda Aceh, INS	SSB
11190.0	**LZU 2**	**Sofia Meteo, BUL**	**(sp 11063.0 kHz)**
11191.7		**MFA Cairo, EGY**	**SITOR-A: 0455 ATU-A tfc + msgs**
11193.0		AEROFLOT Moscow, RU, URS	SSB
11200.0	MVU	RAF London, G	SSB
	'Z'	Beacon Mukachevo, UK, URS	CW
11204.0	MQP	RAF Upavon, G	SSB
11211.7		**MFA Cairo, EGY**	**SITOR-A: 0044+1630+1645+1656 ATU-A tfc**
11213.0	MKL	RAF Edinburgh, G	CW
11217.0	DHM 91	GAF Münster, D	SSB
11222.0		Stockholm Air, S	SSB
11225.0		Stockholm Air, S	SSB
11229.0	AJE	USAF Croughton, G	SSB
11233.0		many CF stations	SSB
11234.0	GFW	RAF Akrotiri, CYP	SSB
11236.0	AXJ	RAAF Pearce, WA, AUS	SSB
11236.7		**MFA Cairo, EGY**	**SITOR-A: 0738 ATU-A msg**
11237.5		INTERFLUG Berlin, DDR	SSB
11239.0	AFI	USAF McCl. AFB, S., CA, USA	SSB
11241.7	**KNY 29**	**Egypt. E Wash., DC, USA**	**SITOR-A: 0200 msgs to Cairo**
11243.0		many USAF stations	SSB
11246.0	AFA	USAF A. AFB, C.S., MD, USA	SSB
	AFE	USAF MacD. AFB, T., FL, USA	SSB
11251.7		**MFA Cairo, EGY**	**SITOR-A: 0713 ATU-A msg**
11256.0	ETK 4	EA Addis Ababa, ETH	SSB
11271.0	CUW	PAF/USAF Lajes AFB, AZR	SSB

11275.0 - 11400.0 AERONAUTICAL MOBILE (R)

11276.0		AMS = 2A 2C 6G 10E 13J	SSB
11279.0		AMS = NAT, 2B 6F 9C	SSB
11282.0		AMS = CEP, 4A 6G 13H	SSB
11285.0		AMS = 2A 3B 7	SSB
11288.0		AMS = 5A 6G 11B	SSB
11291.0		AMS = SAT, 3B 3C	SSB
11294.0		AMS = 2A 6G 7C	SSB
11297.0		AMS = 2 12F	SSB
11300.0		AMS = AFI, 6G 13H	SSB
11303.0		AMS = 3C 13E	SSB
11306.0		AMS = 6G 7E 11B	SSB
11309.0		AMS = NAT, 3A 6D	SSB
11311.7		**MFA Cairo, EGY**	**SITOR-A: 1342+1545 ATU-A tfc**
11312.0		AMS = 5 9C 9D	SSB
11315.0		AMS = 6G, VCAR	SSB
11318.0		AMS = 3 4A 13D	SSB
11321.0		AMS = 6A 13F	SSB
11324.0		AMS = 3A 3C 4B 12C	SSB
11326.3	UIT	SN Lazo, SE, URS	CW
11327.0		AMS = SP, 3B 5 13C	SSB
11330.0		AMS = AFI NP, 3A 13F	SSB
11333.0		AMS = 2B 2C 10	SSB
11336.0		AMS = NAT, 3	SSB
11339.0		AMS = 2B 6B 9 13K	SSB
11342.0		AMS = W II/III	SSB

11345.0		AMS = W I/IV	SSB
11348.0		AMS = W II/V	SSB
11351.0		AMS = W I/III	SSB
11354.0		AMS = W II/V	SSB
11357.0		AMS = 6A 6E 10A	SSB
11359.0	RFNV	Moscow Air, RU, URS	CW
11360.0		AMS = SAM, 2 3 14	SSB
11363.0		AMS = 1 6E 10A	SSB
11366.0		AMS = 1C 6B 6F 13K	SSB
11369.0		AMS = 6G 13G	SSB
11372.0		AMS = 2C 3B 6D	SSB
11375.0		AMS = MID, 10A 13C	SSB
11378.0		AMS = 3C 13M, VEUR	SSB
11381.0		AMS = 6 12E 12J	SSB
11384.0		AMS = CWP, 1D 12J	SSB
11387.0		AMS = CAR, VSEA	SSB
11390.0		AMS = 2 10	SSB
11393.0		AMS = 9B 12E, VMID	SSB
11396.0		AMS = CAR EA SEA	SSB

11400.0 – 11650.0 FIXED

11411.7	HMG 62	KCNA Pyongyang, KRE	FAX // 7363.7 kHz
11414.0	AFE 70	USAF Cp. Canaveral, FL, USA	SSB
11420.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz
	FJY 4	Martin de Vivies Meteo, AMS	75 Bd: 0000+0200 ry, wx; 0300 clg Reunion, anns QSW 11550 (?!) where ZAN; 0305 wx
	Y2V 59	ADN Berlin, DDR	2000+2100+2200 E nx
	'VNA 86'	VNA Hanoi, VTN	1100+1200+1300 F nx, 1330 V nx, 1500+1600+1700+1900 E nx
11423.5	SOL 242B	PAP Warsaw, POL	SITOR-B: 1200+1400+1800 Polish nx
	SPW	Warsaw R, POL	SITOR-A: 0125-1545 tts CW
11425.0	SPW	Warsaw R, POL	SSB
11428.5	STK	Khartoum Air, SDN	1848 msgs (SVA)
11430.0	HMF 55	KCNA Pyongyang, KRE	1230-1430 R nx wca
11432.0	HMF 21	KCNA Pyongyang, KRE	1000-1100 E nx
11437.5	MUA	BA London, G	ARQ-M2 96 Bd: A: 0330+1412-1948 encrypted tfc B: 1319+1645 encrypted tfc
11443.0	9JZ	Lusaka Air, ZMB	0410-0538+1630-2120 msgs (LZA)
11445.0	FDY	FAF Orleans, F	CW
11450.0	RDD 77	Moscow Meteo, RU, URS	24 h ry or wx
11453.0	IMB 3	Rome Meteo, I	24 h ry or wx
11455.0	LBA 10	NN Stavanger, NOR	SSB
11459.0	Y7A 49	MFA Berlin, DDR	100 Bd: 0405-1409 ry or tfc
11459.5	NGD	USN McMurdo Sound, ANT	75 Bd: 1545 ry
11470.0	RNK 33	TASS Moscow, RU, URS	1700 E nx
11473.5	6OW	Kismaayo Prefect, SOM	1528 msgs to Muqdisho
11474.0	KKN 44	USE Monrovia, LBR	CW
11475.0	HMF 52	KCNA Pyongyang, KRE	0030-0100 F nx, 0400+1800+1900 E nx, 2330-2400 F nx
11475.7	HMF 52	KCNA Pyongyang, KRE	FAX // 7363.7 kHz
11477.0		VoA La Union, P. I., PHL	75 Bd: 2300 E nx
11480.0	RGE 32	R Moscow feeder, RU, URS	SSB
11483.0	'RFGW'	MFA Paris, F	FEC-A 144 Bd: 0915 tfc, 1305 tfc + msg (5lgs) to 'U3H' (RAD)
11486.0	TUH	ASECNA Abidjan, CTI	24 h ry or msg (IBA)
11488.0	RIW	SN Khiva, UZ, URS	CW

11493.0	9KT 282	KUNA Safat, KWT	0800-2000 E nx
11494.0	SOL 249	PAP Warsaw, POL	1100 E nx, 1200 Polish nx, 1500 R nx wca
11495.0	RCT 55	TASS Moscow, RU, URS	1600 F nx
11497.0	SOL 349	PAP Warsaw, POL	0000+1400 E nx
	9KT 282	KUNA Safat, KWT	0700-2100 A nx
11500.0	8BB 35	Jakarta Meteo, INS	24 h ry or wx
		GTZ Bengkulu, INS	SITOR-A: 0722 msg to Jakarta
		Padang, INS	SSB
11502.0	LZH 4	BTA Sofia, BUL	0800+1330+1830 E nx
11507.5	STK	Khartoum Air, SDN	24 h ry or msgs (SVA)
11510.0	RGD 29	R Moscow feeder, RU, URS	ISB
11515.0	TZH	ASECNA Bamako, MLI	0600+0638+0702 ry, 0812 msgs (BIA)
11518.0	FDY	FAF Orleans, F	CW
11520.0	RCR 77	Khabarovsk Met., SE, URS	0030-1942 wx
11525.0	RWZ 77	Moscow Meteo, RU, URS	FAX // 53.6 kHz $
11528.7		Egyptian E Belgrade, YUG	SITOR-A: 1012 encrypted msg to Cairo
11531.0	RIW	SN Khiva, UZ, URS	CW
11535.0	SOL 353	PAP Warsaw, POL	CW
11536.0	HMF 49	KCNA Pyongyang, KRE	0800-1030 E nx, 1145-1430+1800-2100 F nx
11538.4	DMK	MFA Bonn, D	ARQ-E 96 Bd: 0740 msgs to Athens, 0900 msgs to Madrid, 1225 msg to Lagos
		FRG E Athens, GRC	ARQ-E 96 Bd: 1148 tfc to Bonn
11541.1	7OC	Khormaksar Air, YMS	1350+1658+1750+2243+2250 ry
11546.0	5YD	Nairobi Air, KEN	1204-0710 ry or msgs
11550.0	MKK	RAF London, G	VFT: 0550+0957+1058+1657 ryi COMB
11570.0	BZC 75	Urumqi Meteo, CHN	0113 wx
	NBA	USN Balboa, PNR	75 Bd: 1144+1200+1427 ry, 1442 clg HDN, 1620 ry, 2108 tfc + msgs to PWZ
11574.0	9KT 29	KUNA Safat, KWT	0800-2000 E nx
11575.0	RVL 29	APN Moscow, RU, URS	100 Bd: 0700+0800 R nx wtsca
	RVL 29	R Moscow feeder, RU, URS	SSB
	5UA	ASECNA Niamey, NGR	0654 msgs (NBA)
11578.0	9KT 29	KUNA Safat, KWT	0700-2100 A nx
11600.0	CLN 327	PTT Habana, CUB	0252 to New York
	Y7K 2.	MFA Berlin, DDR	100 Bd: 0630 tfc, 0720 ry
11601.0	GYU	RN Gibraltar, GIB	75 Bd: 0802 foxes
	7XA 98	El Djaza’ir Meteo, ALG	0307-1547 wx
11602.5	6MK 64	YONHAP Soul, KOR	0030+0700+1200 E nx
11604.0	YZJ 3	TANJUG Belgrade, YUG	0700-1700 E nx
11611.7		Egyptian E Belgrade, YUG	SITOR-A: 1545 ATU-A msg to Cairo
11615.0	RGD 27	APN Moscow, RU, URS	100 Bd: 0800+1000 R nx wtsca
11620.0	HLL 6	Soul Meteo, KOR	CW
11621.5	NGR	USN Kato Soli, GRC	VFT: 1423 E nx
11625.0	‘DFZG’	MFA Belgrade, YUG	75 Bd: 0730 encrypted msgs after "KBKBKB..." or "XYXYXY..."
11636.5	KRH 51	USE London, G	75 Bd: 0217+0709+1855 foxes
11638.0	DDK 8	Hamburg Meteo, D	24 h ry or wx
11640.0	7OC	Khormaksar Air, YMS	0256+0339 msg, 0459+0728 ry
11645.0	HLL 8	Soul Meteo, KOR	0915 ry, wx

11650.0 - 12050.0 BROADCASTING < 530 531 >

11662.5	CAN 6D	Presid. Eduardo Frei Montalva Meteo, CHL	FAX // 5302.5 kHz CW

11665.0		R Moscow feeder, RU, URS	ISB
11676.4	TJK	ASECNA Douala, CME	2137-0658 ry
11680.0	BZP 51	XINHUA Beijing, CHN	75 Bd: 0100+1400-1800 E nx
11696.5	'CJL'	MFA Nicosia, CYP	ARQ-E 96 Bd: 1500 final tfc, s. off
12008.0	EBC	SN Cadiz TS, E	CW/SSB
12022.5	KKN 50	MFA Washington, DC, USA	CW
12024.0	UHF 3	Moscow, RU, URS	0015-1033 ry or msgs (5lgs)

12050.0 - 12230.0 FIXED

12056.0	UHF 3	Moscow, RU, URS	0637 tfc, 1035 msg (5lgs)
12063.0	'RFLIG'	FF Cayenne, GUF	ARQ-E 72 Bd: 0100 msg to 'RFLIA'; 2016 msg + encrypted msg after "KKKK..." to 'RFLIA' (IGA)
12065.0	EPD	Tehran Air, IRN	1535+2000-0823 ry or "ch" or msg
12066.0	SNN 299	MFA Warsaw, POL	(sp 12078.0 kHz)
12070.0	JAL 32	KYODO Tokyo, J	0430-0600+0610-0640 E nx
12074.0	AOK	USN Rota, E	75 Bd: 0020+1150+2220 foxes without ID
12075.0	VVD 62	Delhi Meteo, IND	24 h wx
	9KT 292	KUNA Safat, KWT	0800-2000 E nx
12078.0	SNN 299	MFA Warsaw, POL	75 Bd: 0710 ry, msg (Polish nx)
12079.0	9KT 292	KUNA Safat, KWT	0700-2100 A nx
12082.5	IRJ 50	ANSA Rome, I	CW
12085.0	RCB 55	TASS Moscow, RU, URS	0430+0500+0700+0900+1300 E nx, 1800 A nx
12086.6		UNID station (1288)	ARQ-E 192 Bd: 1538 encrypted tfc
12087.0	HDN	EN Quito, EQA	75 Bd: 0353 tfc + msg to OBC
12088.5	'RFTJ'	FF Dakar, SEN	ARQ-M2 96 Bd: A: 1033+1322+1512 msgs or encrypted tfc after "KKKK..." or "controle de voie" to 'RFFA' (DRI, SGI) B: 0953-1322 msg or encrypted tfc after "KKKK..." or "controle de cle" to 'RFFA' (SGI)
12096.5	XVN	Hanoi Meteo, VTN	0055 wx, 0924 ry
12103.0	SAM	MFA Stockholm, S	SWED-ARQ: 1433 tfc to SAM 49
	SAM 49	Swedish E Jeddah, ARS	SWED-ARQ: 1433 msg to SAM
12106.0	SNN 299	MFA Warsaw, POL	(sp 12078.0 kHz)
12108.0	IRJ 21	ANSA Rome, I	0800 E nx, 0900 F nx, 1000+1100+1200 E nx, 1400 F nx, 1500+1800 E nx
12110.0	YOM 21	AGERPRES Bucharest, ROU	1100+1200 E nx
	ZBP	Adamstown R, PTC	CW
12115.0	GYD	RN London, G	VFT: ARQ-M2 96 Bd: A: 1438 wx B: 1440 encrypted tfc ARQ-M4 192 Bd: B: 1448 wx COMB
12120.9		SUNA Khartoum, SDN	1700 E nx
12122.0	ZLK 43	USN Christchurch, NZL	75 Bd: 0757 air msgs (PCA), 1539 ry
12126.5		MFA Rome, I	SITOR-A: 0800 msg (5lgs)
12128.0		MFA Rome, I	ARQ-E 96 Bd: 1032 msgs (5lgs)
12131.0		Polish E Berne, SUI	75 Bd: 0807 msgs + msg (5fgs) to SNN 299
12133.0	GKX 51	Portishead Air, G	SSB

12135.0	NAM	USN Norfolk, VA, USA	CW
	RNE 39	TASS Moscow, RU, URS	1600 F nx
12140.0		Nairobi, KEN	SSB
12141.0	AOK	USN Rota, E	75 Bd: 1149-2336 foxes without ID
		R Moscow feeder, RU, URS	SSB
12148.0	MKD	RAF Akrotiri, CYP	VFT: 0117-0601+1910 ryi COMB
12149.5	'K'	Beacon Khabarovsk, SE, URS	CW
12152.0	MKT	RAF London, G	VFT: ARQ-M2 96 Bd: A: 0848-1107+1505 AFTN msgs (ANO) or wx or encrypted tfc B: 0953 encrypted tfc, 1106 wx COMB
12160.0	RGD 25	R Moscow feeder, RU, URS	ISB
12162.7	C8E 32.	Nacala, MOZ	SSB
12165.0	RKB 78	Moscow Meteo, RU, URS	FAX // 144.5 kHz $
12169.7		KCNA Pyongyang, KRE	FAX // 7363.7 kHz
12170.0	GKX 52	Portishead Air, G	SSB
	RNR 4	Magadan Meteo, FE, URS	FAX // 5755.0 kHz
12174.2	ETD 3	Addis Ababa Air, ETH	1315-0622 ry or msgs (VJA)
12175.0	FDY	FAF Orleans, F	0744+2008+2244 ry
	HMF 42	KCNA Pyongyang, KRE	0400-0730+1830-2100+2130-2300 E nx
12176.0	9KT 291	KUNA Safat, KWT	0800-2000 E nx
12180.0	9KT 291	KUNA Safat, KWT	0700-2100 A nx
12182.0	6OM	Muqdisho Air, SOM	2341 ry
12184.5	'U'	Beacon Murmansk, RU, URS	CW
12186.0		JANA Tripoli, LBY	1400+1500+1600 F nx, 1700+1800+1900 E nx
12186.5	PWR	BN Recife, B	CW
12188.6	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: A: 1348 tfc, 1733 "controle de voie" (VII)
12195.0	'RFHJ'	FF Papeete, Tahiti, OCE	ARQ-M2 96 Bd: B: 0411+0638 "controle de voie" (HJL)
12196.5		MFA Rome, I	SITOR-A: 0815 msg (5lgs)
12202.0	RCV	SN Moscow, RU, URS	CW
12205.0	RDT 72	R Moscow feeder, RU, URS	SSB
12210.0	KWL 90	USE Manila, PHL	CW
	PWB	BN Belem, B	2045 tfc to PWZ
	PWF	BN Salvador, B	2047 tfc to PWZ
	PWL	BN Corumba, B	2049 tfc to PWZ
	PWR	BN Recife, B	2055 tfc to PWZ
	PWZ	BN Rio de Janeiro, B	1925+1951 ry, 2043 tfc to PWB + PWF + PWL + PWR
12212.3	YZO 7	TANJUG Belgrade, YUG	0000-0500+0700-1700 E nx
12222.5	RUD 38	APN Moscow, RU, URS	100 Bd: 0700+0800 F nx, 0900 A nx, 1000 F nx
12223.5		VoA Tanger, MRC	75 Bd: 0100+0200 A nx, 2200-0100 E nx
12224.5	FSB	INTERPOL Paris, F	SITOR-A: 1022+1435+1934 tfc to 4NX 7
	4NX 7	INTERPOL Belgrade, YUG	SITOR-A: 1435 msg to FSB
12228.0	SNN 299	MFA Warsaw, POL	75 Bd: 0428 ry, 0554 msg (5fgs), 0715 ry, tfc to Bucharest; 1800 ry, msg to Berne

12230.0 - 13200.0 MARITIME MOBILE < 500A 500B 520B 529A 532 >

12230.0	RCU 79	Novosib. Met., SW, URS	FAX // 3635.0 kHz $
12235.5	PL2 C	Ujung Pandang, INS	CW

12245.0	HZN	Jeddah Meteo, ARS	0512-1712 wx
12250.0	RHA 41	TASS Moscow, RU, URS	1700 E nx
12251.0	Y2V 32	ADN Berlin, DDR	1000 E nx, 1800-1950 F nx, 2200+2300 S nx
12253.0	FTM 25	DTRE Paris, F	SSB
12255.0	NGR	USN Kato Soli, GRC	VFT: 2130 E nx
12263.0	TTL	ASECNA N'djamena, TCD	1554-0836 ry or msgs (TNA)
12265.0	BZR 62	XINHUA Beijing, CHN	75 Bd: 0200+1400+1500+1600+1700 E nx
12266.0	MUA	BA London, G	VFT: ARQ-M2 96 Bd: A: 1640 encrypted tfc
12266.2	FTM 26	DTRE Paris, F	SSB
12275.0	JAL 82	KYODO Tokyo, J	0430-0600+0610-0640+0720-0820+1000-1100 E nx
12285.0	RKU 74	APN Moscow, RU, URS	100 Bd: 0700-1200 R nx wtsca
	RKU 74	TASS Moscow, RU, URS	0430+0500 E nx, 1700 P nx, 1900 E nx
12290.0	*worldwide*	*distress and safety freq.*	SSB
12297.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 1437 tfc
12312.0	OMZ	MFA Prague, TCH	75 Bd: 0453+0515+0556 msg, 0715 clg Ulan Bator, s. off; 0832 msg
12315.0	RVW 57	TASS Moscow, RU, URS	0430-1800 E nx
12320.0	RYO 76	Novosib. Met., SW, URS	FAX // 4445.0 kHz $
12323.0	CSY	Santa Maria Air, AZR	0323 ry, 0600+1840+1920 msg (MSA)
12325.0	RDD 72	TASS Moscow, RU, URS	0430+0500 E nx, 0600+1600 F nx, 2100 A nx
12327.5	'U'	Beacon Murmansk, RU, URS	CW
12329.0	OVG 12	DM Frederikshavn, DNK	CW
12330.0		ship stations, ch 1201	SSB QSX 13100.8 kHz
12333.1		ship stations, ch 1202	SSB QSX 13103.9 kHz
	WCM	Withamsville R, OH, USA	
12336.2		ship stations, ch 1203	SSB QSX 13107.0 kHz
12339.3		ship stations, ch 1204	SSB QSX 13110.1 kHz
12342.4		ship stations, ch 1205	SSB QSX 13113.2 kHz
12345.5		ship stations, ch 1206	SSB QSX 13116.3 kHz
12348.6		ship stations, ch 1207	SSB QSX 13119.4 kHz
12351.7		ship stations, ch 1208	SSB QSX 13122.5 kHz
12354.8		ship stations, ch 1209	SSB QSX 13125.6 kHz
12357.9		ship stations, ch 1210	SSB QSX 13128.7 kHz
12361.0		ship stations, ch 1211	SSB QSX 13131.8 kHz
12362.0		XINHUA Beijing, CHN	FAX // 5815.0 kHz
12364.1		ship stations, ch 1212	SSB QSX 13134.9 kHz
12367.2		ship stations, ch 1213	SSB QSX 13138.0 kHz
12370.3		ship stations, ch 1214	SSB QSX 13141.1 kHz
12373.4		ship stations, ch 1215	SSB QSX 13144.2 kHz
12376.5		ship stations, ch 1216	SSB QSX 13147.3 kHz
12379.6		ship stations, ch 1217	SSB QSX 13150.4 kHz
12382.7		ship stations, ch 1218	SSB QSX 13153.5 kHz
12385.8		ship stations, ch 1219	SSB QSX 13156.6 kHz
12388.9		ship stations, ch 1220	SSB QSX 13159.7 kHz
12392.0		ship stations, ch 1221 *(worldwide calling frequency)*	SSB QSX 13162.8 kHz
12395.1		ship stations, ch 1222	SSB QSX 13165.9 kHz
12398.2		ship stations, ch 1223	SSB QSX 13169.0 kHz
12401.3		ship stations, ch 1224	SSB QSX 13172.1 kHz
12404.4		ship stations, ch 1225	SSB QSX 13175.2 kHz
12407.5		ship stations, ch 1226	SSB QSX 13178.3 kHz
12410.6		ship stations, ch 1227	SSB QSX 13181.4 kHz
12413.7		ship stations, ch 1228	SSB QSX 13184.5 kHz
12416.8		ship stations, ch 1229	SSB QSX 13187.6 kHz

12419.9		ship stations, ch 1230	SSB QSX 13190.7 kHz
12421.0		Port of Spain R, TRD	SSB
		Roseau Port R, DMA	SSB
12423.0		ship stations, ch 1231	SSB QSX 13193.8 kHz
12426.1		ship stations, ch 1232	SSB QSX 13196.9 kHz
12428.0	HOR 24	REFPA Panama R, PNR	SSB
12429.2	*worldwide*	*coast and ship stations simplex frequency*	*SSB*
12432.3	*worldwide*	*coast and ship stations simplex frequency*	*SSB*
12435.4	*worldwide*	*coast and ship stations simplex frequency*	*SSB*
12469.6	'72 CGB'	SN Ceuta, E	75 Bd: 2242 ry
12469.7		MFA Cairo, EGY	SITOR-A: 1621-2028 ATU-A tfc
12490.0	'ATNS'	French E Athens, GRC	FEC-A 192 Bd: 0620+0640+1148 msgs (5lgs) to Paris
12491.5		ship stations, series 1	QSX 13071.5 kHz
12492.0		ship stations, series 2	QSX 13072.0 kHz
12492.5		ship stations, series 3	QSX 13072.5 kHz
12493.0		ship stations, series 4	QSX 13073.0 kHz
12493.5		ship stations, series 5	QSX 13073.5 kHz
12494.0		ship stations, series 6	QSX 13074.0 kHz
12494.5		ship stations, series 7	QSX 13074.5 kHz
12495.0		ship stations, series 8	QSX 13075.0 kHz
12495.5		ship stations, series 9	QSX 13075.5 kHz
12496.0		ship stations, series 10	QSX 13076.0 kHz
12496.5		ship stations, series 11	QSX 13076.5 kHz
12497.0		ship stations, series 12	QSX 13077.0 kHz
12497.5		ship stations, series 13	QSX 13077.5 kHz
12498.0		ship stations, series 14	QSX 13078.0 kHz
12498.5		ship stations, series 15	QSX 13078.5 kHz
12499.0		ship stations, series 16	QSX 13079.0 kHz
12499.5		ship stations, series 17	QSX 13079.5 kHz
12500.0		ship stations, series 18	QSX 13080.0 kHz
12500.5		ship stations, series 19	QSX 13080.5 kHz
12501.0		ship stations, series 20	QSX 13081.0 kHz
12501.5		ship stations, series 21	QSX 13081.5 kHz
12502.0		ship stations, series 22	QSX 13082.0 kHz
12502.5		ship stations, series 23	QSX 13082.5 kHz
12503.0		ship stations, series 24	QSX 13083.0 kHz
12503.5		ship stations, series 25	QSX 13083.5 kHz
12504.0		ship stations, series 26	QSX 13084.0 kHz
12504.5		ship stations, series 27	QSX 13084.5 kHz
12505.0		ship stations, series 28	QSX 13085.0 kHz
12505.5		ship stations, series 29	QSX 13085.5 kHz
12506.0		ship stations, series 30	QSX 13086.0 kHz
12506.5		ship stations, series 31	QSX 13086.5 kHz
12507.0		ship stations, series 32	QSX 13087.0 kHz
12507.5		ship stations, series 33	QSX 13087.5 kHz
12508.0		ship stations, series 34	QSX 13088.0 kHz
12508.5		ship stations, series 35	QSX 13088.5 kHz
12509.0		ship stations, series 36	QSX 13089.0 kHz
12509.5		ship stations, series 37	QSX 13089.5 kHz
12510.0		ship stations, series 38	QSX 13090.0 kHz
12510.5		ship stations, series 39	QSX 13090.5 kHz
12511.0		ship stations, series 40	QSX 13091.0 kHz
12511.5		ship stations, series 41	QSX 13091.5 kHz
12512.0		ship stations, series 42	QSX 13092.0 kHz
12512.5		ship stations, series 43	QSX 13092.5 kHz
12513.0		ship stations, series 44	QSX 13093.0 kHz
12513.5		ship stations, series 45	QSX 13093.5 kHz
12514.0		ship stations, series 46	QSX 13094.0 kHz

12514.5		ship stations, series 47	QSX 13094.5 kHz
12515.0		ship stations, series 48	QSX 13095.0 kHz
12515.5		ship stations, series 49	QSX 13095.5 kHz
12516.0		ship stations, series 50	QSX 13096.0 kHz
12516.5		ship stations, series 51	QSX 13096.5 kHz
12517.0		ship stations, series 52	QSX 13097.0 kHz
12517.5		ship stations, series 53	QSX 13097.5 kHz
12518.0		ship stations, series 54	QSX 13098.0 kHz
12518.5		ship stations, series 55	QSX 13098.5 kHz
12519.0		ship stations, series 56	QSX 13099.0 kHz
12519.5		ship stations, series 57	QSX 13099.5 kHz
12520.0		ship stations, non-paired	
	worldwide	*NBDPT distr. and safety f.*	
		ship stations	QSX 12770.0 kHz (GKS 5)
12520.5		ship stations, non-paired	
12521.0		ship stations, non-paired	
12521.5		ship stations, non-paired	
		ship stations	QSX 13602.4 kHz (SPW)
12522.0		ship stations, non-paired	
12522.5		ship stations, non-paired	
12523.0		ship stations, non-paired	
12523.5		ship stations, non-paired	
		ship stations	QSX 12818.0 kHz (SAB 63)
12524.0		ship stations, non-paired	
12524.5		ship stations, non-paired	
12525.0		ship stations, non-paired	
12525.5		ship stations, non-paired	
12526.0		ship stations, non-paired	
12526.5		ship stations, non-paired	
12538.7		MFA Cairo, EGY	SITOR-A: 0821 msg (51gs)
12540.6		ship stations calling, ch 1	CW
12541.8		ship stations calling, ch 2	CW
12543.0		ship stations calling, ch 3	CW
12544.2		ship stations calling, ch 4	CW
12545.4		ship stations calling, ch 5	CW
12546.6		ship stations calling, ch 6	CW
12547.8		ship stations calling, ch 7	CW
12549.0		ship stations calling, ch 8	CW
12550.2		ship stations calling, ch 9	CW
12551.4		ship stations calling, ch 10	CW
12552.6		ship stations calling, ch 11	CW
12553.8		ship stations calling, ch 12	CW
12555.0		ship stations calling, ch 13	CW
12556.2		ship stations calling, ch 14	CW
12557.4		ship stations calling, ch 15	CW
12558.6		ship stations calling, ch 16	CW
12559.8		ship stations calling, ch 17	CW
12561.0		ship stations calling, ch 18	CW
12562.0	*worldwide*	*ship stations DSC freq.*	
12562.5	*worldwide*	*ship stations DSC freq.*	
12577.0	*worldwide*	*DSC distress and safety f.*	
12579.0	*worldwide*	*NBDPT MSI frequency*	
12624.0		ship stations	QSX 8454.0 kHz (UJY)
12625.5		ship stations	QSX 12877.5 kHz (UJY)
12631.5		ship stations	QSX 8605.0 kHz (UJY)
12655.0	6VA 6	Dakar R, SEN	CW
12655.5	CW./..	many UN stations, URG	CW
	FFT 6	Saint Lys R, F	CW
12657.0	'78 IJU'	SN Madrid, E	100 Bd: 0112 ry, 0930+1710+1728 wx
12658.0	JNA	JN Tokyo, J	CW
12658.5	HZG	Dammam R, ARS	CW

12659.0	LZW 5	Varna R, BUL	CW
12659.5	9VG 37	Singapore R, SNG	CW
12660.0	J..	many R stations, J	CW
	S7Q	Victoria R, Mahe, SEY	CW
	WLO	Mobile R, AL, USA	CW
	YIR	Basrah Control R, IRQ	CW
	5AB	Benghazi R, LBY	CW
	9PA	Banana R, ZAI	CW
12660.5	**UNQ**	**Novorossiysk R, RU, URS**	**2000 R nx wtsca** CW
12661.5	D..	many R stations, PHL	CW
	UMV	**Murmansk R, RU, URS**	**0104+0818-1942 R tts wtsca** CW
	XSG	Shanghai R, CHN	CW
12662.0	XSL	Fuzhou R, CHN	CW
	7TA 8	El Djaza'ir R, ALG	CW
	7TF	Skikda R, ALG	CW
12663.0	CBV	DGTMMM Valparaiso R, CHL	CW
	ZSD 51	Durban R, AFS	CW
12664.5	FUM	FN Papeete, Tahiti, OCE	CW
12666.5	5BA	Nicosia R, CYP	CW
12667.5	JCX	Naha R, J	CW
12669.0	OFJ 3	Helsinki R, FNL	CW
	9GA	Takoradi R, GHA	CW
12670.0	SUZ 5	Serapeum R, EGY	CW
12671.0	VFA	CCG Inuvik, NWT, CAN	CW
	VFF	CCG Iqaluit, NWT, CAN	CW
12671.5	**UDH**	**Riga R, LA**	**1144 R tts wtsca** CW
12673.5	CLA 33	Habana R, CUB	CW
	EDF 4	Aranjuez R, E	CW
	ETC	Assab R, ETH	CW
	JOU	Nagasaki R, J	CW
	NWC	USN Exmouth, WA, AUS	FAX // 3379.5 kHz $
12674.0	PPL	Belem R, B	CW
12675.0	XFB	Ciudad del Carmen R, MEX	CW
	XFK	La Paz R, MEX	CW
12675.5	A4M	Muscat R, OMA	CW
12678.0	FFS 6	Saint Lys R, F	CW
	UQB	Kholmsk R, FE, URS	CW
	YJM 3	Port-Vila R, Efate I., VUT	CW
	9MG 3	Georgetown R, Pin. I., MLA	CW
12680.0	5AT	Tripoli R, LBY	CW
12681.5	Y5M	Rügen R, DDR	CW
12682.5	**LFC**	**Rogaland R, NOR**	**SITOR-A: 24 h tts** **SITOR-B: 0700 N nx, 1000 tfc list, 1500 N nx, 1600 tfc list, 1900 N nx** CW
	P..	many R stations, INS	CW
	TNA 12	Pointe-Noire R, COG	CW
12684.5	UFM 3	Nevelsk R, FE, URS	CW
12686.0	PKE	Amboina R, INS	CW
12687.0	JCT	Choshi R, J	CW
	OFJ 32	Helsinki R, FNL	CW
	PPR	Rio de Janeiro R, B	CW
12688.5	**UQK**	**Riga R, LA, URS**	**1510+2017 R tts wtsca** CW
12689.0	LZL 5	Bourgas R, BUL	CW
	PPL	Belem R, B	CW
12689.5	PPJ	Juncao R, B	CW
12690.0	UJY	Kaliningrad R, RU, URS	CW

12690.0	ZAD 2	Durres R, ALB	CW
12691.0	EDF 44	Aranjuez R, E	CW
	GXH	RN/USN Thurso, G	CW
12692.0	PPO	Olinda R, B	CW
	RIT	SN Vaygach, RU, URS	CW
12692.2	ZRH 5	SAN Capetown, AFS	CW
12693.0	URD	Leningrad R, RU, URS	CW
	ZRQ	**SAN Capetown, AFS**	**75 Bd: 2000 wx**
	'78 IJU'	**SN Madrid, E**	**100 Bd: 0406 clg '75 RQA', 0610 ry, 1436+1750 clg '75 RQA', 1906+2100 ry**
12693.8	ZRQ 5	SAN Capetown, AFS	CW
12695.0	OBY 2	Paita R, PRU	CW
12695.5	CNP	Casablanca R, MRC	CW
	KFS	San Francisco R, CA, USA	CW
	XSX	Keelung R, TAI	CW
12696.5	5OZ 23	Port Harcourt R, NIG	CW
12697.0	**UBN**	**Zhdanov R, UK, URS**	**0738-1111+1426 R ry or tts wtsca**
12697.8	5RS	Toamasina R, MDG	CW
12698.0	A9M	Hamala R, BHR	CW
	ZSC 9	Capetown R, AFS	CW
12699.0	HPP	Panama R, PNR	CW
	YKI	SCOTC Tartus R, SYR	CW
12700.0	D4D	Praia R, Santiago, CPV	CW
	EQM	Bushire R, IRN	CW
	EQN	Khomeini R, IRN	CW
	EQQ	Khark R, IRN	CW
	H4H 8	Honiara R, SLM	CW
	NMN	USCG Portsmouth, VA, USA	CW
	XSQ 4	Guangzhou R, CHN	CW
	3DP	Suva R, FJI	CW
12701.0	**FUB**	**FN Paris, F**	**0755 clg 'BNAC', anns "hotel alfa 0800z"**
12702.0	CKN	CF Vancouver, BC, CAN	CW
	CTP	NATO Lisbon, POR	CW
	Y5M	Rügen R, DDR	CW
12703.0	UNM 2	Klaipeda R, LI, URS	CW
	XFL	Mazatlan R, MEX	CW
12704.5	**LOV 3**	**AN Rio Grande, ARG**	**100 Bd: 2137 msgs (5lgs)**
	PKD	Surabaya R, INS	CW
	PKM	Bitung R, INS	CW
	WLO	Mobile R, AL, USA	CW
12705.0	DHJ 59	GN Wilhelmshaven, D	CW
	XSR	Haikou R, CHN	CW
12705.5	WLO	Mobile R, AL, USA	CW
12706.0	UQK	Riga R, LA, URS	CW
12706.5	LST	YPF Buenos Aires R, ARG	CW
12707.0	9VG 34	Singapore R, SNG	CW
12708.0	XFQ	Salina Cruz R, MEX	CW
12709.0	A9M	Hamala R, BHR	CW
	ELC	Monrovia R, LBR	CW
	FJP 23	Noumea R, NCL	CW
	LSA 5	Boca R, ARG	CW
	LZL 5	Bourgas R, BUL	CW
	ZSC 23	Capetown R, AFS	CW
	8PO	Bridgetown R, BRB	CW
	8RB	Demerara R, GUY	CW
12709.2	VRT	Hamilton R, BER	CW
	9HD	Valetta R, MLT	CW
12710.0	VWB	Bombay R, IND	CW
	XSZ	Dalian R, CHN	CW

12711.0	HCG	Guayaquil R, EQA	CW
	UBN	**Zhdanov R, UK, URS**	**1203 R tts wtsca**
12712.0	HLW 3	Soul R, KOR	CW
12712.9	GKN 5	Portishead R, G	CW
12713.5	UVD	Magadan R, FE, URS	CW
12714.0	CBV	DGTMMM Valparaiso R, CHL	CW
	DUF	Manila R, PHL	CW
	GKM 5	Portishead R, G	CW
	UXN	**Arkhangelsk R, RU, URS**	**0610 R ry wtsca, 1404+1846 R tts wtsca** CW
12714.9	GKO 5	Portishead R, G	CW
12715.0	UJQ 7	Kiyev R, UK, URS	CW
12718.5	NMN	USCG Portsmouth, VA, USA	CW
	VWM	Madras R, IND	CW
12719.0	PPR	Rio de Janeiro R, B	CW
12719.8	ZLO 5	RNZN Waiouru, NZL	CW
12720.0	SVD 5	Athens R, GRC	CW
	UPB	Provideniya R, FE, URS	CW
12721.0	SPH 61	Gdynia R, POL	CW
12722.0	FJY 4	Martin de Vivies R, AMS	CW
12723.0	UAH	Tallinn R, ES, URS	CW
	5OZ 23	Port Harcourt R, NIG	CW
12724.0	9VG 57	Singapore R, SNG	CW
12725.0	JYO	Aqaba R, JOR	CW
	OBC 3	Callao R, PRU	CW
	OSN 412	BN Oostende, BEL	CW
12726.0	CFH	CF Halifax, NS, CAN	CW
	DUS	Manila R, PHL	CW
12727.0	HLJ	Soul R, KOR	CW
12727.5	LGJ	Rogaland R, NOR	CW
	XSL	Fuzhou R, CHN	CW
	XSW	Kaohsiung R, TAI	CW
12728.0	J2A 9	Jibuti R, DJI	CW
	L2C	Buenos Aires R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
	YKM 7	Al Ladhiqiyah R, SYR	CW
12729.0	**UFL**	**Vladivostok R, SE, URS**	**0441+2316 R tts wtsca** CW
	XFN	Progreso R, MEX	CW
12730.0	**FUB**	**FN Paris, F**	**0755 clg 'BNAC'**
	NMC	USCG San Francisco, CA, USA	FAX // 4346.0 kHz $ CW
	UMV	Murmansk R, RU, URS	CW
12732.0	DUN	PN Manila, PHL	CW
	UBN	Zhdanov R, UK, URS	CW
12733.0	PPJ	Juncao R, B	CW
	TCR	TURBAN Istanbul R, TUR	CW
12733.5	9VG 20	Singapore R, SNG	CW
12734.0	XSP	Shantou R, CHN	CW
12735.0	HLX	Soul R, KOR	CW
	URL	Sevastopol' R, UK, URS	CW
12736.5	PWZ	BN Rio de Janeiro, B	CW
	TAH	Istanbul R, TUR	CW
12738.0	PPR	Rio de Janeiro R, B	CW
12739.0	**UAT**	**Moscow R, RU, URS**	**SITOR-A: 1830 R nx wtsca** CW
12740.0	XDA	Mexico City R, MEX	CW
	XSD	Yingkou R, CHN	CW
	ZLB 5	Awarua R, NZL	CW
12741.0	HWN	FN Paris, F	CW
12741.6	GZZ 44	RN London, G	FAX // 2813.6 kHz $ CW

12742.0	PPL	Belem R, B	CW
12743.0	NRV	USCG Apra Harbour, GUM	CW
12744.0	DUW	Manila R, PHL	CW
	RCV	SN Moscow, RU, URS	CW
12745.0	Y5M	Rügen R, DDR	CW
12745.5	JJC	Tokyo R, J	FAX // 4316.0 kHz
	VWC	Calcutta R, IND	CW
12747.5	CBV	DGTMMM Valparaiso R, CHL	CW
12748.0	CLA 30	Habana R, CUB	CW
	IRM	CIRM Rome, I	CW
12750.0	CWA	Cerrito R, URG	CW
	NIK	USCG Boston, MA, USA	FAX // 8502.0 kHz CW
	NMF	**USCG Boston, MA, USA**	**SITOR-B: 0000+1200 wx**
	PW.	many BN stations, B	CW
	VHI 5	RAN Perth, WA, AUS	CW
	6YX	JCG Kingston, JMC	CW
12752.0	C6N	Nassau R, BAH	CW
	XFA	Acapulco R, MEX	CW
12752.5	HZG	Dammam R, ARS	CW
12753.0	CKN	CF Vancouver, BC, CAN	FAX // 4268.0 kHz $ CW
12753.5	OXZ 62	Lyngby R, DNK	CW
12754.5	PWZ	BN Rio de Janeiro, B	CW
	UTA	**Tallinn R, ES, URS**	**0811 R tts wtsca**
12755.0	UTA	Tallinn R, ES, URS	CW
12755.5	SAB 6	Goeteborg R, S	CW
12757.0	YQI 5	Constanta R, ROU	CW
12759.0	NGR	USN Kato Soli, GRC	FAX // 4704.0 kHz $
12760.0	IRM	CIRM Rome, I	CW
	UCO	Yalta R, UK, URS	CW
	UFB	**Odessa R, UK, URS**	**0100 R tts wtsca** CW
12763.5	DAM	Norddeich R, D	CW
	LPD 76	General Pacheco R, ARG	CW
12765.0	9GX	Tema R, GHA	CW
12766.0	PPO	Olinda R, B	CW
12768.0	CBV	DGTMMM Valparaiso R, CHL	CW
	DZY 7	Manila R, PHL	CW
	PCH 50	Scheveningen R, NLD	CW
12770.0	**GKS 5**	**Portishead R, G**	**SITOR-A: 0605-2321 tts; QSX 12520.0 kHz** CW
12772.0	ZSC 43	Capetown R, AFS	CW
12772.3		**Pakistan E Tehran, IRN**	**1612 msgs (5lgs) to Islamabad**
12772.5	**GYA**	**RN London, G**	**VFT: 75 Bd: 1407 foxes**
	ZSC 38	Capetown R, AFS	CW
12774.0	TCR	TURBAN Istanbul R, TUR	CW
12775.0	**UKX**	**Nakhodka R, SE, URS**	**1101 R tts wtsca**
	XFU	Veracruz R, MEX	CW
12776.0	PPJ	Juncao R, B	CW
12777.0	NDT	USN Yokosuka, J	FAX // 3379.5 kHz $
	NGR	USN Kato Soli, GRC	FAX // 3379.5 kHz $
12780.0	D3E 61	Luanda R, AGL	CW
	HAR	Budapest R, HNG	CW
12780.5	YUR 5	Rijeka R, YUG	CW
12781.5	OST 5	Oostende R, BEL	CW
	9MB 5	MN Georgetown, Pin.I., MLA	CW
12785.0	XSX	Keelung R, TAI	CW
12786.0	DZW	Manila R, PHL	CW
12788.0	JFA	Matsudo F R, J	CW
12788.5	GKD 5	Portishead R, G	CW

12790.0	GKG 5	Portishead R, G	CW
	XF. .	many PEMEX R stations, MEX	CW
	XST	Qingdao R, CHN	CW
12791.5	GKH 5	Portishead R, G	CW
12792.0	CLA 31	Habana R, CUB	CW
	HZG	Dammam R, ARS	CW
12793.0	**RNO**	**SA/AAMC Moscow, RU, URS**	**0800 R nx wtsca, 1830 R tts wtsca** CW
12795.0	OBQ 5	Iquitos R, PRU	CW
	PWZ	BN Rio de Janeiro, B	CW
	UXN	**Arkhangelsk R, RU, URS**	**0953+1227 R tts wtsca** CW
12797.0	**UDK 2**	**Murmansk R, RU, URS**	**2246 R tts wtsca** CW
12799.5	PCH 51	Scheveningen R, NLD	CW
	UKA	**Vladivostok R, SE, URS**	**0059 ry, 0716 R tts wtsca**
	XSZ	Dalian R, CHN	CW
12800.0	HSA 3	Bangkok R, THA	CW
12801.0	TAH	Istanbul R, TUR	CW
12802.3	XSX	Keelung R, TAI	CW
12803.0	**UDK 2**	**Murmansk R, RU, URS**	**0800 ry, 1944 R tts wtsca** CW
12804.0	DZE	Mandaluyong R, PHL	CW
	PW.	many BN stations, B	CW
	XSI	Sanya R, CHN	CW
	YQB	Constanta R, ROU	CW
12805.0	PPR	Rio de Janeiro R, B	CW
	UJQ 7	Kiyev R, UK, URS	CW
12806.0	3VP 8	Sakhira R, TUN	CW
12807.8	**GYA**	**RN London, G**	**75 Bd: 24 h test**
	GYC 5	RN London, G	CW
12808.5	KPH	San Francisco R, CA, USA	CW
	VTG 7	IN Bombay, IND	CW
12810.0	DZD 3	Manila R, PHL	CW
12811.3	HZY	ARAMCO Ras Tanura R, ARS	CW
12813.0	ZPK	Asuncion R, PRG	CW
12815.0	GKF 5	Portishead R, G	CW
	OBF 4	Mollendo R, PRU	CW
	UKA	Vladivostok R, SE, URS	CW
	URB 2	Klaipeda R, LI, URS	CW
	XFY	Guaymas R, MEX	CW
12816.0	DZA	Mandaluyong R, PHL	CW
12817.0	S9M	Sao Tome R, STP	CW
12817.5	XSU	Yantai R, CHN	CW
	YVG	La Guayra R, VEN	CW
	9VG 26	Singapore R, SNG	CW
12818.0	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	OMP 51	Prague R, TCH	CW
	SAB 63	**Goeteborg R, S**	**SITOR-A: 24 h tts; QSX 12523.5 kHz** **SITOR-B: 0500+1700 Swedish nx**
12820.0	**UAT**	**Moscow R, RU, URS**	**2000 wx**
	VWA 1	Ramnagar Port R, IND	CW
12822.0	GKA 5	Portishead R, G	CW
	XSV	Tianjin R, CHN	CW
12823.5	CTP	NATO Lisbon, POR	CW
12824.0	XFC	Cozumel R, MEX	CW
12824.2	GYU	RN Gibraltar, GIB	CW
12825.0	UFH	Petropavl.-Km. R, FE, URS	CW
12825.8	**GYU**	**RN Gibraltar, GIB**	**75 Bd: 1947-0809 foxes without ID**

12826.5	CBV	DGTMMM Valparaiso R, CHL	CW
	JCS	Choshi R, J	CW
	SPH 62	Gdynia R, POL	CW
	WNU	Slidell R, LA, USA	CW
12828.0	CLJ	Habana R, CUB	CW
	UJQ	Kiyev R, UK, URS	FAX 60/576: 1130+1400 R nx (text)
	'M'	Beacon Magadan, FE, URS	CW
12828.5	DZF	Bacoor R, PHL	CW
12829.5	XFM	Manzanillo R, MEX	CW
12830.0	**UDK 2**	**Murmansk R, RU, URS**	**1940 R tts wtsca** CW
12831.0	3BA 5	Port Louis R, MAU	CW
	9MG 3	Georgetown R, Pin. I., MLA	CW
12832.5	DAF	Norddeich R, D	CW
12833.0	RMP	SN Kaliningrad, RU, URS	CW
	SVF 5	Athens R, GRC	CW
12834.0	DZP	Novaliches R, PHL	CW
12835.4	GKB 5	Portishead R, G	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
12836.0	XDA	Mexico City R, MEX	CW
12838.0	CLJ	Habana R, CUB	CW
12840.0	LZW 52	Varna R, BUL	CW
	PPJ	Juncao R, B	CW
	PPO	Olinda R, B	CW
	VTP 7	IN Vishakhapatnam, IND	CW
12840.5	**PBC 312**	**DN Goeree Island, NLD**	**75 Bd: 0457-2107 ry**
12843.0	HLO	Soul R, KOR	CW
	XFP	Chetumal R, MEX	CW
12844.5	KFS	San Francisco R, CA, USA	CW
12847.0	WCC	Chatham R, MA, USA	CW
12847.5	JFA	Matsudo F R, J	CW
12849.0	ZSJ 5	SAN Capetown, AFS	CW
12853.5	HKC	Buenaventura R, CLM	CW
	PCH 52	Scheveningen R, NLD	CW
12854.0	UKA	Vladivostok R, SE, URS	CW
12855.0	UBF 2	Leningrad R, RU, URS	CW
	XDA	Mexico City R, MEX	CW
12855.8	4WD 3	Hodeidah R, YEM	CW
12856.0	CBV	DGTMMM Valparaiso R, CHL	CW
	XSG 7	Shanghai R, CHN	CW
12857.0	6WW	FN Dakar, SEN	CW
12858.0	DZD	Antipolo R, PHL	CW
	FUE	FN Brest, F	CW
	GKI 5	Portishead R, G	CW
12859.0	SVI 5	Athens R, GRC	CW
12860.0	4XO	Haifa R, ISR	CW
12860.5	Y5M	Rügen R, DDR	CW
12860.8	5RS	Toamasina R, MDG	CW
12864.0	XSW	Kaohsiung R, TAI	CW
12867.0	NPO	USN Subic Bay, PHL	CW
	XYR 8	Yangon R, MYA	CW
12869.0	WNU	Slidell R, LA, USA	CW
12869.5	DZZ	Manila R, PHL	CW
12870.0	DZO	Bulacan R, PHL	CW
	UKA	Vladivostok R, SE, URS	CW
12871.5	GKJ 5	Portishead R, G	CW
	KUQ	Pago Pago R, SMA	CW
	XSG	Shanghai R, CHN	CW
12872.0	SPE 62	Szczecin R, POL	CW
12874.0	VCS	CCG Halifax, NS, CAN	CW
12875.0	FUG	FN La Regine, F	CW

12876.0	LFJ	Rogaland R, NOR	CW
	URL	Sevastopol' R, UK, URS	CW
	VAI	CCG Vancouver, BC, CAN	CW
	XSM	Xiamen R, CHN	CW
12877.0	XSQ 7	Guangzhou R, CHN	CW
12877.5	**UJY**	**Kaliningrad R, RU, URS**	**1122 ry, 1715+1732 R tts wtsca; QSX 12625.5 kHz** CW
12878.0	CLS	Habana F R, CUB	CW
	JCU	Choshi R, J	CW
12879.5	WSC	Tuckerton R, NJ, USA	CW
12880.5	SAG 6	Goeteborg R, S	CW
12883.0	UMZ	Valentin R, SE, URS	CW
12885.0	9YL	North Post R, TRD	CW
12886.5	**WLO**	**Mobile R, AL, USA**	**SITOR-B: H+35 tfc list, wx** CW
12887.5	EAD 44	Aranjuez R, E	CW
12888.0	DZK	Bulacan R, PHL	CW
12889.5	NMO	USCG Honolulu, HWA	CW
	XSE	Qinhuangdao R, CHN	CW
12890.0	XSJ	Zhanjiang R, CHN	CW
12891.0	**UFN**	**Novorossiysk R, RU, URS**	**24 h R tts wtsca** CW
12894.0	DVM 2	Makati R, PHL	CW
12895.0	**UNM 2**	**Klaipeda R, LI, URS**	**0803+0934+1000 R tts wtsca** CW
	9KK 8	Safat R, KWT	CW
12897.5	**GYA**	**RN London, G**	**75 Bd: 1826-0808 test**
12898.0	XSG	Shanghai R, CHN	CW
12898.5	CBV	DGTMMM Valparaiso R, CHL	CW
	DAN	Norddeich R, D	CW
12900.0	DXF	Davao R, PHL	CW
	XVG 8	Hai Phong R, VTN	CW
12901.0	L2E	Buenos Aires R, ARG	CW
	L2S	Mar del Plata R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
12901.5	**URD**	**Leningrad R, RU, URS**	**0708-1408 ry or R tts wtsca** CW
12903.0	ZPK	Asuncion R, PRG	CW
	'RBSL'	**IN Bombay, IND**	**1431-0434 ry or msgs (4fgs)**
12904.5	KLC	Galveston R, TX, USA	CW
12905.5	**UMV**	**Murmansk R, RU, URS**	**0935+1733+2039+2313 R tts wtsca**
12906.2	DZJ	Bulacan R, PHL	CW
12907.0	KLB	Seattle R, WA, USA	CW
12907.5	VIX 5	RAN Canberra, ACT, AUS	CW
	YUR 6	Rijeka R, YUG	CW
12909.0	**Y5M**	**Rügen R, DDR**	**1030 G nx, 1058 tfc list, 2100 G nx, 2150 tts** CW
12910.0	CLY	Habana R, CUB	CW
	UAT	Moscow R, RU, URS	CW
12912.0	**UHK**	**Batumi R, GE, URS**	**1339 ry, R tts wtsca**
	XSH	Basuo R, CHN	CW
12912.6	FFL 6	Saint Lys R, F	CW
12916.5	HLF	Soul R, KOR	CW
	OXZ 6	Lyngby R, DNK	CW
12917.0	KLB	Seattle R, WA, USA	CW
12919.0	CLS	Habana F R, CUB	CW
12921.0	ZPK	Asuncion R, PRG	CW
12923.0	HLW 2	Soul R, KOR	CW
12925.0	UQA 4	Murmansk R, RU, URS	CW

12925.0	9KK 20	Safat R, KWT	CW
12925.5	WCC	Chatham R, MA, USA	CW
	4PB	Colombo R, SLK	CW
12928.0	SPH 63	Gdynia R, POL	CW
12928.7		**Egyptian E Madrid, E**	**SITOR-A: 1528 ATU-A tfc to Cairo**
12930.0	DYP	Cebu R, PHL	CW
	UAT	**Moscow R, RU, URS**	**SITOR-A: 0800+1000 R nx wtsca, 1500 F nx, 1900 R nx wtsca**
12931.0	5BA	Nicosia R, CYP	CW
12932.5	**'78 IJU'**	**SN Madrid, E**	**100 Bd: 0838-1559 clg '75 RQA', 1822 encrypted tfc**
12933.0	UKA	Vladivostok R, SE, URS	CW
12934.5	EDZ 5	Aranjuez R, E	CW
12935.0	HLG	Soul R, KOR	CW
	UHK	Batumi R, GE, URS	CW
12935.5	5OZ 23	Port Harcourt R, NIG	CW
12936.0	DZN	Navotas R, PHL	CW
12938.0	OBC 3	Callao R, PRU	CW
12939.0	SPE 61	Szczecin R, POL	CW
12940.0	LZW 53	Varna R, BUL	CW
12942.0	JNA	JN Tokyo, J	CW
	SVG 5	Athens R, GRC	CW
12943.5	CUL 20	Lisbon R, POR	CW
	9MG 3	Georgetown R, Pin. I., MLA	CW
12944.9	ZLP 5	RNZN Waiouru, NZL	CW
12947.0	**UFB**	**Odessa R, UK, URS**	**0520-2020 R tts wtsca** CW
12948.0	DYV	Iloilo R, PHL	CW
12950.0	UFB	Odessa R, UK, URS	CW
12952.5	VIS 5	Sydney R, NSW, AUS	CW
12954.0	CLS	Habana F R, CUB	CW
	DZU	Pasig R, PHL	CW
	LZL 5	Bourgas R, BUL	CW
	XSG 28	Shanghai R, CHN	CW
12955.0	UFL	Vladivostok R, SE, URS	CW
12957.0	CBV	DGTMMM Valparaiso R, CHL	CW
	PWN	BN Natal, B	CW
12958.3	**CCS**	**CN Santiago, CHL**	**2249 ry**
12958.5	PPO	Olinda R, B	CW
12961.5	LFI	Rogaland R, NOR	CW
	WCC	Chatham R, MA, USA	CW
12963.0	HAR	Budapest R, HNG	CW
12963.5	ZHH	Jamestown R, SHN	CW
12966.0	PWZ	BN Rio de Janeiro, B	CW
	VWB	Bombay R, IND	CW
12966.3	A7D	Doha R, QAT	CW
12969.0	XSV	Tianjin R, CHN	CW
12970.5	PKB	Belawan R, INS	CW
	PKX	Jakarta R, INS	CW
	PKY 4	Sorong R, INS	CW
	SUH 4	Alexandria R, EGY	CW
12972.0	DZH	Manila R, PHL	CW
	HAR	Budapest R, HNG	CW
12973.0	PPR	Rio de Janeiro R, B	CW
	UJY	**Kaliningrad R, RU, URS**	**0215+0745-2245 ry or R msg wtsca; QSX 12631.5 kHz** CW
12975.0	IQX	Trieste R, I	CW
12977.0	URL	Sevastopol' R, UK, URS	CW
12978.0	DYD 2	Cebu R, PHL	CW
	ICB	Genova R, I	CW

12979.5	PPL	Belem R, B	CW
	VIS 49	Sydney R, NSW, AUS	CW
12980.0	PK. ..	many R stations, INS	CW
	UAT	**Moscow R, RU, URS**	**SITOR-A: 2300 R nx wtsca**
12982.0	VLS	Sydney TS, NSW, AUS	CW
12984.0	DZM	Bulacan R, PHL	CW
	ZPK	Asuncion R, PRG	CW
	4XZ	IN Haifa, ISR	CW
12987.0	YKM 5	SCOT Baniyas Port R, SYR	CW
12988.5	LPD 88	General Pacheco R, ARG	CW
	3BM 5	Port Louis R, MAU	CW
12990.0	DZJ	Bulacan R, PHL	CW
	UJQ	**Kiyev R, UK, URS**	**0805-0844+1518-1609 R ry or tts wtsca**
	UKK 3	Nakhodka R, SE, URS	CW
	URL	Sevastopol' R, UK, URS	CW
12992.0	WLO	Mobile R, AL, USA	CW
12993.0	**UAT**	**Moscow R, RU, URS**	**0805-2130 R tts wtsca**
12994.0	VIP 4	Perth R, WA, AUS	CW
12995.0	ROT	SN Moscow, RU, URS	CW
12995.3	ELZ	Cape Palmas R, LBR	CW
12996.0	IAR 33	Rome R, I	CW
12997.0	SXA 37	GN Piraeus, GRC	CW
	XSQ	Guangzhou R, CHN	CW
12997.5	UFB	Odessa R, UK, URS	CW
12999.5	CTU 2	PN Lisbon, POR	CW
13000.0	UBE 2	Petropavl.-Km. R, FE, URS	CW
13002.0	DXD 9	Davao R, PHL	CW
	KPH	San Francisco R, CA, USA	CW
13002.5	**CTU 2**	**PN Lisbon, POR**	**0000+0800+1800+2000 wx + navigational warnings**
13005.0	**NMN**	**USCG Portsm., VA, USA**	**75 Bd: 0345 tfc list**
13005.5	HLW	Soul R, KOR	CW
13006.5	GKK 5	Portishead R, G	CW
	XFE	Ensenada R, MEX	CW
13007.0	OMP 5	Prague R, TCH	CW
13008.0	DZI	Bacoor R, PHL	CW
	DZJ 7	Makati R, PHL	CW
	JOR	Nagasaki R, J	CW
13010.0	UQA 4	Murmansk R, RU, URS	CW
13011.0	AQP 6	PN Karachi, PAK	CW
	IAR 23	Rome R, I	CW
	WNU	Slidell R, LA, USA	CW
	ZPK	Asuncion R, PRG	CW
13014.0	DYM	Cebu R, PHL	CW
13014.5	XDA	Mexico City R, MEX	CW
13015.5	IAR 3	Rome R, I	CW
	J..	many R stations, J	CW
	OB. .	many R stations, PRU	CW
13019.8	GKC 5	Portishead R, G	CW
13020.0	DYE 9	Cebu R, PHL	CW
13020.4	VPS 60	Victoria Island R, HKG	CW
13021.0	**NMF**	**USCG Boston, MA, USA**	**SITOR-B: 0200+1700 wx, ice report, schedule**
13022.0	SPE 63	Szczecin R, POL	CW
13023.0	D3E 62	Luanda R, AGL	CW
13023.7	HEB	Berne R, SUI	CW
13024.0	A7D	Doha R, QAT	CW
	S3E	Khulna R, BGD	CW
13024.5	ASK	Karachi R, PAK	CW
13024.9	WLO	Mobile R, AL, USA	CW
13027.5	DAL	Norddeich R, D	CW

13028.0	ZSD 46	Durban R, AFS	CW
13029.0	SVB 5	Athens R, GRC	CW
	UQB	Kholmsk R, FE, URS	CW
13030.0	**URD**	**Leningrad R, RU, URS**	**1653+1905+2037 R tts wtsca** CW
13031.0	VRN 60	Victoria Island R, HKG	CW
13031.2	FUF	FN Fort de France, MRT	CW
13032.0	DUN	PN Manila, PHL	CW
13033.5	WCC	Chatham R, MA, USA	CW
13038.0	DZO 9	Manila R, PHL	CW
	KLC	Galveston R, TX, USA	CW
	OXZ 61	Lyngby R, DNK	CW
13040.0	UFN	Novorossiysk R, RU, URS	CW
13042.0	P2M	Port Moresby R, PNG	CW
	P2R	Rabaul R, PNG	CW
13042.5	C9C 7	MN Maputo TS, MOZ	CW
	FUV	FN Jibuti, DJI	CW
	PJC	Willemstad R, Curacao, ATN	CW
	XVS 9	Ho Chi Minh Ville R, VTN	CW
	9LL	Freetown R, SRL	CW
13044.0	DZN 4	Manila R, PHL	CW
	VPS 61	Victoria Island R, HKG	CW
13045.0	ROT	SN Moscow, RU, URS	CW
13046.0	PZN 4	Paramaribo R, SUR	CW
13047.0	SVA 5	Athens R, GRC	CW
	UAI 3	Nakhodka R, SE, URS	CW
13049.5	HPP	Panama R, PNR	CW
13050.0	**UDK 2**	**Murmansk R, RU, URS**	**0936+1304+1841+1910+1941 R tts wtsca** CW
13051.5	ASK	Karachi R, PAK	CW
	WPD	Tampa R, FL, USA	CW
	4XO	Haifa R, ISR	CW
13052.4	**'98 DDX'**	**SN Madrid, E**	**75 Bd: 1320 encrypted msgs**
13054.0	JDC	Choshi R, J	CW
	UJY	**Kaliningrad R, RU, URS**	**0809+1413-2215 ry or R tts wtsca** CW
	XSQ	Guangzhou R, CHN	CW
13055.0	UJQ 7	Kiyev R, UK, URS	CW
13056.0	C9L 2	Maputo R, MOZ	CW
	C9L 6	Mocambique R, MOZ	CW
	EDG 4	Aranjuez R, E	CW
	S3D	Chittagong R, BGD	CW
13057.0	LSA	Boca R, ARG	CW
	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
13058.0	TEC	Puntarenas R, CTR	CW
13059.0	EBA	SN Madrid, E	CW
13060.0	SUP	Port Said R, EGY	CW
13060.5	TUA 5	Abidjan R, CTI	CW
	7OA	Aden R, YMS	CW
13062.0	CLA 32	Habana R, CUB	CW
13062.5	**SPB**	**Szczecin R, POL**	**SITOR-A: 0540 tts; ZAN 13073.5 kHz** CW
	Y5M	Rügen R, DDR	CW
13063.0	JDB	Nagasaki R, J	CW
13063.5	LSA	Boca R, ARG	CW
	WSC	Tuckerton R, NJ, USA	CW
13065.0	EAD 4	Aranjuez R, E	CW
	LPC 50	Ushuaia R, ARG	CW

13065.0	5ZF 3	Mombasa R, KEN	CW
	6YI	Kingston R, JMC	CW
13065.5	5OW 13	Lagos R, NIG	CW
13067.0	CTH 3	PN Horta, AZR	CW
	OST 52	Oostende R, BEL	CW
13067.5	UAI 3	Nakhodka R, SE, URS	CW
13068.0	DYE 6	Cebu R, PHL	CW
13069.0	TFA	Reykjavik R, ISL	CW
	TJC 8	Douala R, CME	CW
13069.5	EQ.	many R stations, IRN	CW
	JOS	Nagasaki R, J	CW
13070.0	CTH 3	PN Horta, AZR	75 Bd: 0930 wx
	UDH	Riga R, LA, URS	CW
	3AC 13	Monte Carlo R, MCO	CW
13071.5		coast stations, series 1	QSX 12491.5 kHz
	DCN	*Norddeich R, D*	*scheduled*
	KFS	*San Francisco R, CA, USA*	*scheduled*
	S9M	*Sao Tome R, STP*	*scheduled*
	UMV	Murmansk R, RU, URS	SITOR-A: 2000 R tts wtsca
			CW
	9VG 80	Singapore R, SNG	SITOR-A: 24 h tts
			SITOR-B: 0630+2030 tfc list
			CW
13072.0		coast stations, series 2	QSX 12492.0 kHz
	GKE 5	Portishead R, G	SITOR-A: 24 h tts
			SITOR-B: 1700 tfc list
			CW
	URD	*Leningrad R, RU, URS*	*scheduled*
	ZLW	*Wellington R, NZL*	*scheduled*
13072.5		coast stations, series 3	QSX 12492.5 kHz
	KFS	San Francisco R, CA, USA	SITOR-A: 0345 tts
	OST 56	*Oostende R, BEL*	*scheduled*
	SPA 61	Gdynia R, POL	SITOR-A: 0903 tts
			CW
	UFL	Vladivostok R, SE, URS	0629 R tts wtsca
	XSV	*Tianjin R, CHN*	*scheduled*
13073.0		coast stations, series 4	QSX 12493.0 kHz
	DCM	*Norddeich R, D*	*scheduled*
	VRT	*Hamilton R, BER*	*scheduled*
	ZSD 61	Durban R, AFS	SITOR-A: 0342+1848 tts
			SITOR-B: 2030 tfc list
			CW
13073.5		coast stations, series 5	QSX 12493.5 kHz
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	SPB 61	Szczecin R, POL	SITOR-A: 0229-1850 tts
			SITOR-B: 1400+2200 tfc list
			CW
	WLO	Mobile R, AL, USA	SITOR-A: 0340-0503+2221 tts
			CW
	5RS	*Toamasina R, MDG*	*scheduled*
13074.0		coast stations, series 6	QSX 12494.0 kHz
	SAB 606	Goeteborg R, S	SITOR-A: 24 h tts
	UNM 2	*Klaipeda R, LI, URS*	*scheduled*
	VIP 34	*Perth R, WA, AUS*	*scheduled*
			CW
	WSC	Tuckerton R, NJ, USA	CW
13074.5		coast stations, series 7	QSX 12494.5 kHz
	FFT 61	Saint Lys R, F	SITOR-A: 0505-2222 tts
			SITOR-B: 0100+0600+0800+0900+1000+1500+1600+1800+2000+2100 tfc list or wx
			CW

13074.5	*UHK*	*Batumi R, GE, URS*	*scheduled*
	WAH	*Saint Thomas R, VIR*	*scheduled*
	XSG	*Shanghai R, CHN*	*scheduled*
13075.0		coast stations, series 8	QSX 12495.0 kHz
	HPP	Panama R, PNR	SITOR-A: 1939-0304 tts SITOR-B: 0300+1700+1900+2300 schedule, tfc list
	LGJ 2	Rogaland R, NOR	SITOR-A: 0757+1725 tts CW
13075.5		coast stations, series 9	QSX 12495.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled*
	UFB	*Odessa R, UK, URS*	*scheduled*
	9MG 16	*Georgetown R, Pin. I., MLA*	*scheduled*
13076.0		coast stations, series 10	QSX 12496.0 kHz
	HZG	*Dammam R, ARS*	*scheduled*
	OXZ	Lyngby R, DNK	SITOR-A: 0304+0340+2111 tts CW
	UFN	Novorossiysk R, RU, URS	SITOR-A: 24 h R tts wtsca CW
	VIP 40	Perth R, WA, AUS	SITOR-A: 0842-2031 tts CW
13076.5		coast stations, series 11	QSX 12496.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	LZW	Varna R, BUL	CW
	UBN	Zhdanov R, UK, URS	SITOR-A: 0635-1426 R tts wtsca SITOR-B: 0630 R tts wtsca CW
	WLO	Mobile R, AL, USA	SITOR-A: 1853 tts CW
	XSG	*Guangzhou R, CHN*	*scheduled*
	3AC 23	*Monte Carlo R, MCO*	*scheduled*
13077.0		coast stations, series 12	QSX 12497.0 kHz
	NRV	USCG Apra Harbour, GUM	SITOR-B: 0000+0400 wx
	PCH 55	Scheveningen R, NLD	SITOR-A: 24 h tts CW
13077.5		coast stations, series 13	QSX 12497.5 kHz
	KPH	*San Francisco R, CA, USA*	*scheduled* CW
	VPS 63	Victoria Island R, HKG	SITOR-A: 0150+0909+1029+2003 tts CW
	WCC	*Chatham R, MA, USA*	*scheduled*
13078.0		coast stations, series 14	QSX 12498.0 kHz
	FFT 62	*Saint Lys R, F*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	LZW	*Varna R, BUL*	*scheduled* CW
	UDK 2	*Murmansk R, RU, URS*	*scheduled*
	UFM 3	*Nevelsk R, FE, URS*	*scheduled*
	VIS 67	Sydney R, NSW, AUS	SITOR-A: 24 h tts CW
	WCC	*Chatham R, MA, USA*	*scheduled*
13078.5		coast stations, series 15	QSX 12498.5 kHz
	DCL	*Norddeich R, D*	*scheduled*
	VWM	*Madras R, IND*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 0051+0352+0415 tts, 2145+2226 E nx CW
	9PA	*Banana R, ZAI*	*scheduled*
13079.0		coast stations, series 16	QSX 12499.0 kHz
	COB 36	*Flota Cubana F R, CUB*	*scheduled*
	OST 57	Oostende R, BEL	SITOR-A: 24 h tts CW

13079.0	*UJQ*	*Kiyev R, UK, URS*	*scheduled*
13079.5		coast stations, series 17	QSX 12499.5 kHz
	KLC	*Galveston R, TX, USA*	*scheduled*
	SVS 5	*Athens R, GRC*	*scheduled*
	UQK	*Riga R, LA, URS*	*scheduled*
13080.0		coast stations, series 18	QSX 12500.0 kHz
	HEC 13	Berne R, SUI	SITOR-A: 24 h tts CW
	HPP	*Panama R, PNR*	*scheduled*
	UKA	Vladivostok R, SE, URS	0229-1427 R tts wtsca
	9MG 16	*Georgetown R, Pin. I., MLA*	*scheduled*
13080.5		coast stations, series 19	QSX 12500.5 kHz
	UFH	*Petropavlovsk R, FE, URS*	*scheduled*
	WNU	*Slidell R, LA, USA*	*scheduled*
13081.0		coast stations, series 20	QSX 12501.0 kHz
	LGJ 3	Rogaland R, NOR	SITOR-A: 0417-2231 tts SITOR-B: 0700 N nx, 1218 tts, 1700+1900 N nx CW
	NMC	*USCG San Franc., CA, USA*	*scheduled*
	NMF	*USCG Boston, MA, USA*	*scheduled*
13081.5		coast stations, series 21	QSX 12501.5 kHz
	FFT 63	*Saint Lys R, F*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	WCC	Chatham R, MA, USA	SITOR-A: 0944-0220 tts SITOR-B: 0030+0045+0500+1230+1630+1830 tfc list, wx CW
13082.0		coast stations, series 22	QSX 12502.0 kHz
	EHY	Pozuelo del Rey R, E	SITOR-A: 0829-2244 tts SITOR-B: 1100+1900 tfc list CW
	KLC	*Galveston R, TX, USA*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	8Q2	*Male R, MLD*	*scheduled*
	9VG 94	Singapore R, SNG	SITOR-A: 2346-1126 tts CW
13082.5		coast stations, series 23	QSX 12502.5 kHz
	SVT 5	*Athens R, GRC*	*scheduled*
	UDH	Riga R, LA, URS	SITOR-A: 24 h R tts wtsca CW
13083.0		coast stations, series 24	QSX 12503.0 kHz
	A7D	*Doha R, QAT*	*scheduled*
	NMF	*USCG Boston, MA, USA*	*scheduled*
	SAB 624	Goeteborg R, S	SITOR-A: 24 h tts
	VPS 64	Victoria Island R, HKG	SITOR-A: 0804-1030 tts CW
13083.5		coast stations, series 25	QSX 12503.5 kHz
	UFL	*Vladivostok R, SE, URS*	*scheduled* CW
	WLO	Mobile R, AL, USA	SITOR-A: 1406-0511 tts SITOR-B: H+35 tfc list, wx CW
13084.0		coast stations, series 26	QSX 12504.0 kHz
	CLA	*Habana R, CUB*	*scheduled*
	OXZ	Lyngby R, DNK	SITOR-A: 0338-2226 tts SITOR-B: 1530 Danish nx CW
	Y5M	*Rügen R, DDR*	*scheduled*
13084.5		coast stations, series 27	QSX 12504.5 kHz
	NMN	USCG Portsmouth, VA, USA	SITOR-A: 0946+1938-0428 tts CW

13084.5	NMO	USCG Honolulu, HWA	SITOR-B: 0030+0230 ry
	UQB	*Kholmsk R, FE, URS*	*scheduled*
13085.0		coast stations, series 28	QSX 12505.0 kHz
	GKP 5	Portishead R, G	SITOR-A: 24 h tts CW
	KFS	*San Francisco R, CA, USA*	*scheduled*
13085.5		coast stations, series 29	QSX 12505.5 kHz
	WLO	*Mobile R, AL, USA*	*scheduled*
	9VG 81	Singapore R, SNG	SITOR-A: 0350+0420+0512+1040 tts CW
13086.0		coast stations, series 30	QSX 12506.0 kHz
	DCF	*Norddeich R, D*	*scheduled*
	IDR 5	IN Rome, I	CW
	PPR	Rio de Janeiro R, B	SITOR-A: 1937-0754 tts CW
	UKA	Vladivostok R, SE, URS	0019-1123 R tts wtsca
13086.5		coast stations, series 31	QSX 12506.5 kHz
	A9M	Hamala R, BHR	SITOR-A: 0349 tts CW
13087.0		coast stations, series 32	QSX 12507.0 kHz
	CUL	*Lisbon R, POR*	*scheduled*
	UFB	Odessa R, UK, URS	SITOR-B: 1045+1100 R nx wtsca
13087.5		coast stations, series 33	QSX 12507.5 kHz
	HIA	Santo Domingo Pilot R, DOM	CW
	HKB	Barranquilla R, CLM	CW
	OFA	*Helsinki R, FNL*	*scheduled*
13088.0		coast stations, series 34	QSX 12508.0 kHz
	A7D	*Doha R, QAT*	*scheduled*
	UKX	*Nakhodka R, SE, URS*	*scheduled*
	3AC 33	*Monte Carlo R, MCO*	*scheduled*
13088.5		coast stations, series 35	QSX 12508.5 kHz
	PCH 56	Scheveningen R, NLD	SITOR-A: 24 h tts CW
13089.0		coast stations, series 36	QSX 12509.0 kHz
	CLA	*Habana R, CUB*	*scheduled*
	SPB 62	Szczecin R, POL	SITOR-A: 1022 tts CW
	UAT	Moscow R, RU, URS	SITOR-A: 24 h R tts wtsca CW
	UBE 2	*Petropavlovsk R, FE, URS*	*scheduled*
	9VG 95	Singapore R, SNG	SITOR-A: 0552-1534 tts CW
13089.5		coast stations, series 37	QSX 12509.5 kHz
	IAR	*Rome R, I*	*scheduled*
	UFN	Novorossiysk R, RU, URS	SITOR-A: 24 h R tts wtsca CW
	YUW	*Bar R, YUG*	*scheduled*
13090.0		coast stations, series 38	QSX 12510.0 kHz
	KPH	*San Francisco R, CA, USA*	*scheduled*
	SPA 62	Gdynia R, POL	SITOR-A: 1221-2025 tts CW
	UXN	*Arkhangelsk R, RU, URS*	*scheduled*
	WCC	Chatham R, MA, USA	SITOR-A: 1730+2330 tts SITOR-B: 0500+1245+1700 tfc list, wx CW
13090.5		coast stations, series 39	QSX 12510.5 kHz
	UPB	*Provideniya R, FE, URS*	*scheduled*
	VCS	CCG Halifax, NS, CAN	SITOR-A: 2230 wx
13091.0		coast stations, series 40	QSX 12511.0 kHz
	EHY	*Pozuelo del Rey R, E*	*scheduled*

13091.0	*UCO*	*Yalta R, UK, URS*	*scheduled*
	WLO	*Mobile R, AL, USA*	*scheduled*
13091.5		coast stations, series 41	QSX 12511.5 kHz
	IAR	*Rome R, I*	*scheduled*
			CW
	UAT	Moscow R, RU, URS	SITOR-A: 2230 R tts wtsca
			CW
	J2A	*Jibuti R, DJI*	*scheduled*
	VAI	*CCG Vancouver, BC, CAN*	*scheduled*
13092.0		coast stations, series 42	QSX 12512.0 kHz
	KPH	*San Francisco R, CA, USA*	*scheduled*
	UMV	*Murmansk R, RU, URS*	*scheduled*
	Y5M	Rügen R, DDR	SITOR-A: 1302-1949 tts
			CW
13092.5		coast stations, series 43	QSX 12512.5 kHz
	HEC 23	*Berne R, SUI*	*scheduled*
			CW
	UAH	Tallinn R, ES, URS	SITOR-A: 0727-1225+2024 R tts wtsca
			SITOR-B: 1430 wx
			CW
13093.0		coast stations, series 44	QSX 12513.0 kHz
	ZSC 63	Capetown R, AFS	SITOR-B: 1700+1730 wx
			CW
13093.5		coast stations, series 45	QSX 12513.5 kHz
	OXZ	Lyngby R, DNK	SITOR-A: 24 h tts
			SITOR-B: 0030 Danish nx, 0730 tfc list, 0830 Danish nx, 1215 tfc list, 1530+1630 Danish nx, 1730 tfc list
			CW
	YUR	*Rijeka R, YUG*	*scheduled*
13094.0		coast stations, series 46	QSX 12514.0 kHz
	TAH	*Istanbul R, TUR*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
13094.5		coast stations, series 47	QSX 12514.5 kHz
	IAR	*Rome R, I*	*scheduled*
	KFS	*San Francisco R, CA, USA*	*scheduled*
	UGH 2	*Juzno R, FE, URS*	*scheduled*
13095.0		coast stations, series 48	QSX 12515.0 kHz
	GKY 5	*Portishead R, G*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled*
			CW
	URB 2	*Klaipeda R, LI, URS*	*scheduled*
13095.5		coast stations, series 49	QSX 12515.5 kHz
	HEC 33	*Berne R, SUI*	*scheduled*
	SVU 5	Athens R, GRC	SITOR-B: 1300+2100 Greek nx
			CW
13096.0		coast stations, series 50	QSX 12516.0 kHz
	LZW	Varna R, BUL	SITOR-A: 0628+0922+1502+1950 tts
			CW
	WLO	Mobile R, AL, USA	SITOR-A: 2225 tts
	Y5M	*Rügen R, DDR*	*scheduled*
13096.5		coast stations, series 51	QSX 12516.5 kHz
	IAR	*Rome R, I*	*scheduled*
	YUS	*Split R, YUG*	*scheduled*
13097.0		coast stations, series 52	QSX 12517.0 kHz
	LGJ 4	Rogaland R, NOR	SITOR-A: 24 h tts
			SITOR-B: 0700 N nx; 1200+1600+1700 tfc list, N nx; 1900 N nx
			CW

13097.5		coast stations, series 53	QSX 12517.5 kHz
	FFT 64	Saint Lys R, F	SITOR-A: 0626-0138 tts
			CW
13098.0		coast stations, series 54	QSX 12518.0 kHz
	IAR	*Rome R, I*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 0200+2145 E nx, 2211-0515 tts
			CW
13098.5		coast stations, series 55	QSX 12518.5 kHz
	PKX	*Jakarta R, INS*	*scheduled*
13099.0		coast stations, series 56	QSX 12519.0 kHz
	GKQ 5	Portishead R, G	SITOR-A: 24 h tts
			CW
13099.5		coast stations, series 57	QSX 12519.5 kHz
	UXN	Arkhangelsk R, RU, URS	SITOR-A: 0528-1316 R tts wtsca
			SITOR-B: 0515+0940+1306+2007 R tts wtsca
			CW
	WNU	Slidell R, LA, USA	SITOR-B: 2215 wx
			CW
	YUR	*Rijeka R, YUG*	*scheduled*
13100.0	*worldwide*	*coast stations DSC freq.*	
	TIM	Limon R, CTR	CW
13100.5	*worldwide*	*coast stations DSC freq.*	
13100.8		coast stations, ch 1201	SSB QSX 12330.0 kHz
	A7D	Doha R, QAT	
	DZJ	Bulacan R, PHL	
	DZZ	Manila R, PHL	
	EHY	Pozuelo del Rey R, E	
	GKT 51	Portishead R, G	
	KMI	Dixon R, CA, USA	
	PKB	Belawan R, INS	
	PKF	Ujung Pandang R, INS	
	UAT	Moscow R, RU, URS	
	UFL	Vladivostok R, SE, URS	
	VFF	CCG Iqaluit, NWT, CAN	
	WAH	Saint Thomas R, VIR	
	XSU	Yantai R, CHN	
	5BA 52	Nicosia R, CYP	
13101.0	EQL	Anzali R, IRN	CW
	EQO	Nowshahr R, IRN	CW
	ODR 4	Beirut R, LBN	CW
	TRA	Libreville R, GAB	CW
13103.9		coast stations, ch 1202	SSB QSX 12333.1 kHz
	CBM	DGTMMM Magallanes R, CHL	
	CBM 9	ETAL Punta Arenas R, CHL	
	CBO	DGTMMM Punta Corona R, CHL	
	CBV	DGTMMM Valparaiso R, CHL	
	GKT 52	Portishead R, G	
	HAR	Budapest R, HNG	
	HEB 13	Berne R, SUI	
	HZG	Dammam R, ARS	
	KMI	Dixon R, CA, USA	
	SVN 5	Athens R, GRC	
	S3D	Chittagong R, BGD	
	WAH	Saint Thomas R, VIR	
	WFN	Jeffersonville R, IN, USA	
	WGK	Saint Louis R, MO, USA	
	Y5M	Rügen R, DDR	
	3DP	Suva R, FJI	
	9GA	Takoradi R, GHA	

13107.0		coast stations, ch 1203	SSB	QSX 12336.2 kHz
	CUL	Lisbon R, POR		
	DZD 4	Manila R, PHL		
	D3E	Luanda R, AGL		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	J5M	Bissau R, GNB		
	KMI	Dixon R, CA, USA		
	LFL 30	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PKT	Dili R, INS		
	SAG	Goeteborg R, S		
	VIS	Sydney R, NSW, AUS		
	VIT	Townsville R, QLD, AUS		
	WOO	Ocean Gate R, NJ, USA		
	XSG	Shanghai R, CHN		
	5AT	Tripoli R, LBY		
13110.1		coast stations, ch 1204	SSB	QSX 12339.3 kHz
	FUB	FN Paris, F		
	HPP 20	Panama R, PNR		
	LFL 31	Rogaland R, NOR		
	SVN 5	Athens R, GRC		
	S9M	Sao Tome R, STP		
	URD	Leningrad R, RU, URS		
	Y5M	Rügen R, DDR		
	4XO	Haifa R, ISR		
13113.2		coast stations, ch 1205	SSB	QSX 12342.4 kHz
	DAP	Norddeich R, D		
	FJP 24	Noumea R, NCL		
	ICB	Genova R, I		
	LFL 32	Rogaland R, NOR		
	N..	many USCG stations		
	S3D	Chittagong R, BGD		
	TUA	Abidjan R, CTI		
	UDE	Odessa R, UK, URS		
	UFA	Batumi R, GE, URS		
	UKB	Riga R, LA, URS		
	UNM 2	Klaipeda R, LI, URS		
	YKM 7	Al Ladhiqiyah R, SYR		
13116.3		coast stations, ch 1206	SSB	QSX 12345.5 kHz
	GKT 56	Portishead R, G		
	IAR	Rome R, I		
	OBB 4	Ilo R, PRU		
	OBT 2	Talara R, PRU		
	OBZ 3	Chimbote R, PRU		
	OHG 2	Helsinki R, FNL		
	TAM	Mersin R, TUR		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	XSV	Tianjin R, CHN		
	Y5M	Rügen R, DDR		
	ZAD	Durres R, ALB		
	5RS	Toamasina R, MDG		
13119.4		coast stations, ch 1207	SSB	QSX 12348.6 kHz
	D4A	Mindelo R, S. Vicente, CPV		
	HCG	Guayaquil R, EQA		
	JBO	Tokyo R, J		
	OSU 51	Oostende R, BEL		
	PCG 52	Scheveningen R, NLD		
	PJC	Willemstad R, Curacao, ATN		
	PZN	Paramaribo R, SUR		
	SVN 5	Athens R, GRC		

13119.4	UMN	Murmansk R, RU, URS		
	VAI	CCG Vancouver, BC, CAN		
	XSQ	Guangzhou R, CHN		
	YUW	Bar R, YUG		
	4XO	Haifa R, ISR		
	7TA 24	El Djaza'ir R, ALG		
	7TF	Skikda R, ALG		
13122.5		coast stations, ch 1208	SSB	QSX 12351.7 kHz
	DAK	Norddeich R, D		
	HAR	Budapest R, HNG		
	JBO	Tokyo R, J		
	P.. ...	many R stations, B		
	S3D	Chittagong R, BGD		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	ZXA 4	Tedut R, B		
	ZXF 3	Bavit R, B		
	ZZQ 8	Denor R, B		
	5BA 54	Nicosia R, CYP		
13125.6		coast stations, ch 1209	SSB	QSX 12354.8 kHz
	A9M	Hamala R, BHR		
	OBF 4	Mollendo R, PRU		
	OHG 2	Helsinki R, FNL		
	PKM	Bitung R, INS		
	PKP	Dumai R, INS		
	PPL	Belem R, B		
	SPC 63	Gdynia R, POL		
	UDN	Novorossiysk R, RU, URS		
	UGE	Arkhangelsk R, RU, URS		
	WOM	Pennsuco R, FL, USA		
	XDA	Mexico City R, MEX		
	XF./.	many PEMEX/R stations, MEX		
	YVG	La Guayra R, VEN		
	ZLW	Wellington R, NZL		
	ZSC 27	Capetown R, AFS		
	ZSV 33	Walvis Bay R, NMB		
13128.7		coast stations, ch 1210	SSB	QSX 12357.9 kHz
	CWF	Punta Carretas R, URG		
	EHY	Pozuelo del Rey R, E		
	HEB 43	Berne R, SUI		
	J2A	Jibuti R, DJI		
	LFL 33	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PKE	Amboina R, INS		
	PKX	Jakarta R, INS		
	SAG	Goeteborg R, S		
	UBE 4	Petropavl.-Km. R, FE, URS		
	VWB	Bombay R, IND		
	WOO	Ocean Gate R, NJ, USA		
13131.8		coast stations, ch 1211	SSB	QSX 12361.0 kHz
	CBV	DGTMMM Valparaiso R, CHL		
	CBV 3	DGTMMM Hanga Roa R, PAQ		
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	ICB	Genova R, I		
	LFL 34	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PPO	Olinda R, B		
	SAG	Goeteborg R, S		
	WOO	Ocean Gate R, NJ, USA		
	XSQ	Guangzhou R, CHN		
	9MG 22	Georgetown R, Pin. I., MLA		

13134.9		coast stations, ch 1212	SSB	QSX 12364.1 kHz
	DAH	Norddeich R, D		
	GYU	RN Gibraltar, GIB		
	JBO	Tokyo R, J		
	OBQ 5	Iquitos R, PRU		
	OBR 3	Salaverry R, PRU		
	PKD	Surabaya R, INS		
	PNK	Jayapura R, INS		
	SVN 5	Athens R, GRC		
	WLO	Mobile R, AL, USA		
	YKO	Tartus R, SYR		
	3BB	Port Louis Harbour R, MAU		
	5OW	Lagos R, NIG		
	6VA	Dakar R, SEN		
		Abidjan F R, CTI		
13138.0		coast stations, ch 1213	SSB	QSX 12367.2 kHz
	HLS	Soul R, KOR		
	IAR	Rome R, I		
	LFL 35	Rogaland R, NOR		
	OHG 2	Helsinki R, FNL		
	OSU 53	Oostende R, BEL		
	PCG 51	Scheveningen R, NLD		
	S9M	Sao Tome R, STP		
	VCS	CCG Halifax, NS, CAN		
	XSG	Shanghai R, CHN		
	4XO	Haifa R, ISR		
	5WA	Apia R, SMO		
	8PO	Bridgetown R, BRB		
13141.1		coast stations, ch 1214	SSB	QSX 12370.3 kHz
	ASK	Karachi R, PAK		
	CKN	CF Vancouver, BC, CAN		
	EQZ	IORC Abadan R, IRN		
	HAR	Budapest R, HNG		
	LFL 36	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PPR	Rio de Janeiro R, B		
	SAG	Goeteborg R, S		
	SVN 5	Athens R, GRC		
	UFO	Kholmsk R, FE, URS		
13144.2		coast stations, ch 1215	SSB	QSX 12373.4 kHz
	OBC 3	Callao R, PRU		
	OSU 52	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S7Q	Victoria R, Mahe, SEY		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	4XO	Haifa R, ISR		
	7TA 25	El Djaza'ir R, ALG		
	7TF	Skikda R, ALG		
13147.3		coast stations, ch 1216	SSB	QSX 12376.5 kHz
	ODR 8	Beirut R, LBN		
	OHG 2	Helsinki R, FNL		
	SPC 61	Gdynia R, POL		
	SUH	Alexandria R, EGY		
	TAM	Mersin R, TUR		
	XSV	Tianjin R, CHN		
	9HD	Valetta R, MLT		
	9VG 66	Singapore R, SNG		
13150.4		coast stations, ch 1217	SSB	QSX 12379.6 kHz
	CLA 68	Habana R, CUB		
	LFL 37	Rogaland R, NOR		

13150.4	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	VWM	Madras R, IND		
	ZHH	Jamestown R, SHN		
	7TA 26	El Djaza'ir R, ALG		
13153.5		coast stations, ch 1218	SSB	QSX 12382.7 kHz
	CBM	DGTMMM Magallanes R, CHL		
	CBO	DGTMMM Punta Corona R, CHL		
	CBV	DGTMMM Valparaiso R, CHL		
	DAI	Norddeich R, D		
	D4A	Mindelo R, S. Vicente, CPV		
	D4D	Praia R, Santiago, CPV		
	IAR	Rome R, I		
	JBO	Tokyo R, J		
	LFL 38	Rogaland R, NOR		
	OSU 54	Oostende R, BEL		
	P.. ...	many R stations, B		
	S3E	Khulna R, BGD		
	TAH	Istanbul R, TUR		
	Z.. .	many R stations, B		
13156.6		coast stations, ch 1219	SSB	QSX 12385.8 kHz
	LFL 39	Rogaland R, NOR		
	LZW	Varna R, BUL		
	OSU 57	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	PCG 53	Scheveningen R, NLD		
	SAG	Goeteborg R, S		
	UFM 3	Nevelsk R, FE, URS		
	9VG 67	Singapore R, SNG		
13159.7		coast stations, ch 1220	SSB	QSX 12388.9 kHz
	DZI	Bacoor R, PHL		
	DZO	Bulacan R, PHL		
	EQQ	Khark R, IRN		
	JYO	Aqaba R, JOR		
	LPL 4	General Pacheco R, ARG		
	SPO 61	Szczecin R, POL		
	SVN 5	Athens R, GRC		
	S3E	Khulna R, BGD		
	TFA	Reykjavik R, ISL		
	VRT	Hamilton R, BER		
13162.8		coast stations, ch 1221	SSB	QSX 12392.0 kHz
		(worldwide calling frequency)		
13165.9		coast stations, ch 1222	SSB	QSX 12395.1 kHz
	FFL 64	Saint Lys R, F		
	FUB	FN Paris, F		
	LFL 40	Rogaland R, NOR		
	LPL	General Pacheco R, ARG		
	TAR	Zonguldak R, TUR		
	XFA	Acapulco R, MEX		
	XFE	Ensenada R, MEX		
	XFK	La Paz R, MEX		
	XF. .	many PEMEX R stations, MEX		
	ZKR	Avarua R, Rarotga. I., CKH		
13169.0		coast stations, ch 1223	SSB	QSX 12398.2 kHz
	CNP	Casablanca R, MRC		
	HZG	Dammam R, ARS		
	LFL 41	Rogaland R, NOR		
	OMC	Bratislava R, TCH		
	OMK	Komarno R, TCH		
	OML	Decin R, TCH		
	OXZ	Lyngby R, DNK		
	PPM	Manaus R, B		

13169.0	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	WOM	Pennsuco R, FL, USA		
13172.1		coast stations, ch 1224	SSB	QSX 12401.3 kHz
	CBM	DGTMMM Magallanes R, CHL		
	CBV	DGTMMM Valparaiso R, CHL		
	DAJ	Norddeich R, D		
	GKV 54	Portishead R, G		
	OHG 2	Helsinki R, FNL		
	YUR	Rijeka R, YUG		
	ZSD 56	Durban R, AFS		
	3AC 12	Monte Carlo R, MCO		
	6YI	Kingston R, JOR		
	9GX	Tema R, GHA		
	9KK 9	Safat R, KWT		
13175.2		coast stations, ch 1225	SSB	QSX 12404.4 kHz
	EHY	Pozuelo del Rey R, E		
	LFL 42	Rogaland R, NOR		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	UDK	Murmansk R, RU, URS		
	WLO	Mobile R, AL, USA		
	XDA	Mexico City R, MEX		
	XF./.	many PEMEX/R stns., MEX		
	XSQ	Guangzhou R, CHN		
	4PB	Colombo R, SLK		
	5RS	Toamasina R, MDG		
13178.3		coast stations, ch 1226	SSB	QSX 12407.5 kHz
	CBV	DGTMMM Valparaiso R, CHL		
	FFL 61	Saint Lys R, F		
	LFL 43	Rogaland R, NOR		
	OMP	Prague R, TCH		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3E	Khulna R, BGD		
	TAT	Canakkale R, TUR		
	VIM	Melbourne R, VIC, AUS		
	VIP	Perth R, WA, AUS		
	WLO	Mobile R, AL, USA		
	9MG 22	Georgetown R, Pin. I., MLA		
13181.4		coast stations, ch 1227	SSB	QSX 12410.6 kHz
	EHY	Pozuelo del Rey R, E		
	HEB 23	Berne R, SUI		
	OHG 2	Helsinki R, FNL		
	SPO 62	Szczecin R, POL		
	TJC	Douala R, CME		
	UFH	Petropavl.-Km. R, FE, URS		
	UGH 2	Juzno R, FE, URS		
	UKQ 2	Nakhodka R, SE, URS		
	VIA	Adelaide R, SA, AUS		
	VID	Darwin R, NT, AUS		
	VPS	Victoria Island R, HKG		
	YUS	Split R, YUG		
	9KK 92	Safat R, KWT		
	9PA	Banana R, ZAI		
13184.5		coast stations, ch 1228	SSB	QSX 12413.7 kHz
	ASK	Karachi R, PAK		
	CBV	DGTMMM Valparaiso R, CHL		
	CLA 71	Habana R, CUB		
	GKV 58	Portishead R, G		
	HAR	Budapest R, HNG		
	LFL 44	Rogaland R, NOR		

13184.5	PPJ	Juncao R, B		
	PPL	Belem R, B		
	URB 2	Klaipeda R, LI, URS		
	WOO	Ocean Gate R, NJ, USA		
	8Q2	Male R, MLD		
13187.6		coast stations, ch 1229	SSB	QSX 12416.8 kHz
	A7D	Doha R, QAT		
	CFH	CF Halifax, NS, CAN		
	FFL 62	Saint Lys R, F		
	HLS	Soul R, KOR		
	KMI	Dixon R, CA, USA		
	SPC 62	Gdynia R, POL		
	UQK	Riga R, LA, URS		
	VIB	Brisbane R, QLD, AUS		
	VID	Darwin R, NT, AUS		
	VIP	Perth R, WA, AUS		
	YUR	Rijeka R, YUG		
13190.7		coast stations, ch 1230	SSB	QSX 12419.9 kHz
	GKV 50	Portishead R, G		
	HEB 33	Berne R, SUI		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	LPC 42	Ushuaia R, ARG		
	OHG 2	Helsinki R, FNL		
	S3D	Chittagong R, BGD		
	WOM	Pennsuco R, FL, USA		
	WOO	Ocean Gate R, NJ, USA		
	5BA 56	Nicosia R, CYP		
13192.1	***WLO***	***Mobile R, AL, USA***	***scheduled***	
13193.8		coast stations, ch 1231	SSB	QSX 12423.0 kHz
	EQN	Khomeini R, IRN		
	FFL 63	Saint Lys R, F		
	LFL 45	Rogaland R, NOR		
	OBG 3	Pisco R, PRU		
	OBY 2	Paita R, PRU		
	SPC 64	Gdynia R, POL		
	VIS	Sydney R, NSW, AUS		
	VIT	Townsville R, QLD, AUS		
	VPS	Victoria Island R, HKG		
	ZPC	Asuncion R, PRG		
	5AB	Benghazi R, LBY		
	5OW	Lagos R, NIG		
	8Q2	Male R, MLD		
13196.9		coast stations, ch 1232	SSB	QSX 12426.1 kHz
	ASK	Karachi R, PAK		
	GKW 52	Portishead R, G		
	HPP 20	Panama R, PNR		
	J..	many R stations, J		
	KUQ	Pago Pago R, SMA		
	SVN 5	Athens R, GRC		
	Y5M	Rügen R, DDR		
	7TA 27	El Djaza'ir R, ALG		

13200.0 - 13260.0 AERONAUTICAL MOBILE (OR)

13200.0	**CAI 7E**	**Hanga Roa Air, PAQ**	**0020+0120 msgs, 1335+2338 ry**	
13201.0	AFI	USAF McCl. AFB, S., CA, USA	SSB	
	AIC	USAF Clark AFB, Luzon, PHL	SSB	
	AKA	USAF E. AFB, Anchorage, ALS	SSB	
	XPH	USAF Thule AFB, Uumnq., GRL	SSB	
13204.0	AFA	USAF A. AFB, C.S., MD, USA	SSB	

13205.0	HEE 60	Berne Air, SUI	SSB
13205.5	AXF	RAAF Sydney, NSW, AUS	SSB
13214.0	AJE	USAF Wolvey, G	SSB
	AJO	USAF Adana, TUR	SSB
13220.0	-	AEROFLOT Moscow, RU, URS	SSB
13225.0	JYJ	RJ Amman, JOR	SSB
13231.0	DHM 95	CF Lahr, D	SSB
13237.5	**AOK**	**USN Rota, E**	**75 Bd: 0028+0255+1532 foxes without ID**
13241.0		many USAF stations	SSB
13244.0	AFE	USAF MacD. AFB, T., FL, USA	SSB
	AFE 83	USAF Wideawake, ASC	SSB
	CUW	PAF/USAF Lajes AFB, AZR	SSB
13247.0	AFA	USAF A. AFB, C.S., MD, USA	SSB
13248.0	DHM 91	GAF Münster, D	SSB
	'OPBE'	JAT Belgrade, YUG	SSB
13255.5	**NBR**	**USN Kato Soli, GRC**	**VFT: 1707 E nx**
13257.0	CHR	CF Trenton, ONT, CAN	SSB

13260.0 - 13360.0 AERONAUTICAL MOBILE (R)

13261.0		AMS = VAFI	SSB
13264.0		AMS = 14, VEUR	SSB
13267.0		AMS = 3 13H	SSB
13270.0		AMS = 6G, VNAT	SSB
13273.0		AMS = AFI	SSB
13276.0		AMS = 6G, VNAT	SSB
13279.0		AMS = VNCA VSAM	SSB
13282.0		AMS = VPAC	SSB
13285.0		AMS = 10, VSEA	SSB
13288.0		AMS = AFI EUR MID	SSB
13291.0		AMS = NAT, 6	SSB
13291.9	**'VVGL'**	**Hanoi Air, VTN**	**0649+2245 ry**
13294.0		AMS = AFI	SSB
13295.0		MFA Dakar, SEN	CW
13297.0		AMS = CAR EA SAM	SSB
13300.0		AMS = CEP CWP NP SP, 4	SSB
13303.0		AMS = EA NCA	SSB
13306.0		AMS = INO NAT	SSB
13309.0		AMS = EA SEA, 13C 13K	SSB
13310.0	**'RFFA'**	**MOD Paris, F**	**ARQ-E 72 Bd: 1435 msg to 'RFFXI' (XXI)**
13312.0		AMS = MID, 11B	SSB
13314.0	UDA	Yakutsk, SE, URS	CW
13315.0		AMS = NCA SAT	SSB
13318.0		AMS = SEA, 13	SSB
13321.0		AMS = 2 3	SSB
13324.0		AMS = W I/III	SSB
13327.0		AMS = W I/IV	SSB
13330.0		AMS = W II/V	SSB
13332.0	**'KARIM'**	**MOI El Djaza'ir, ALG**	**0936 msg, 1527 ATU-A msg, 1531 msg (wx)**
13333.0		AMS = W I/III	SSB
13336.0		AMS = W I/IV	SSB
13339.0		AMS = W II/V	SSB
13340.0	**'DFZG'**	**MFA Belgrade, YUG**	**75 Bd: 1500 ry**
13342.0		AMS = W I/III	SSB
13345.0		AMS = W I/IV	SSB
13348.0		AMS = W II/V	SSB
13351.0		AMS = W I/III	SSB
13351.7		**MFA Cairo, EGY**	**SITOR-A: 0624 ATU-A tfc**

13354.0		AMS = 5 7	SSB
13357.0		AMS = SAT, 2	SSB

13360.0 - 13410.0 FIXED + RADIO ASTRONOMY < 533 >

13360.0	BSB 35	Lanzhou Meteo, CHN	0025-0954 ry or wx
	RYM	IAG Moscow, RU, URS	SSB
13360.7	GPA 5	Portishead R, G	SITOR-A: 2004-0745 tts CW
13366.5	5YD	Nairobi Air, KEN	24 h ry or msgs (KVA)
13368.0	EDC 7	Las Palmas Meteo, CNR	FAX // 3650.0 kHz $
13370.0	RKU 72	R Moscow feeder, RU, URS	ISB
13372.5	NGR	USN Kato Soli, GRC	CW
13375.0	Y3D	DP Berlin, DDR	SSB
	'DOR'	MFA Sofia, BUL	75 Bd: 0848 msg (5lgs)
13380.0	CUA 67	CPRM Lisbon, POR	ARQ-M2 96 Bd: B: 0815 to HVH
13385.0	RUZU	SAAM Molodezhnaya, ANT	CW
	UDY	SAAM Novolazarevskaya, ANT	CW
	UGE 2	SAAM Bellingshausen, ANT	CW
13387.0	KKN 39	Miami, FL, USA	CW
13390.0	Y2V ..	ADN Berlin, DDR	0000+2200+2300 S nx
13396.0		Jakarta, INS	SSB
13399.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0530 msg (SC press review), 0632 ry, 0655 msg, 1500 msg (SC nx), 1615 tfc
13400.0	CUA 68	CPRM Lisbon, POR	ARQ-M2 96 Bd: A: 1444 idling to HVH
	LZG 3	BTA Sofia, BUL	1200+1300 E nx
13405.0	RNR 4	Magadan Meteo, FE, URS	FAX // 5755.0 kHz

13410.0 - 13600.0 FIXED + Mobile except aeronautical mobile (R) < 534 >

13410.0	RIF 38	TASS Moscow, RU, URS	1215 R nx wca
	6WW	FN Dakar, SEN	CW
13415.3	PCW 1	MFA Den Haag, NLD	SITOR-A: 1026+1529-0050 tfc CW
13420.0	CUA 69	CPRM Lisbon, POR	CW
13425.5		MFA Rome, I	SITOR-A: 0521+0625+1352 msg (5lgs)
13430.0	VTK	IN Tuticorin, IND	CW
13437.0	'RPFN'	PN Lisbon, POR	1500 clg 'RPTI'
13440.0	YZJ 5	TANJUG Belgrade, YUG	0000-0400+1000-1700 E nx
13442.6	'RFQP'	FF Jibuti, DJI	ARQ-M2 96 Bd: B: 1356 msg + encrypted tfc after "KKKK..." to 'RFVI' (FKO)
13449.0	UMS	Moscow, RU, URS	CW
13450.0	RCO 75	Yakutsk Meteo, SE, URS	FAX // 10665.0 kHz
13455.0	AWM	Madras Air, IND	CW
	UHF 3	Moscow, RU, URS	0040-1134 ry or msg (5lgs)
13464.2	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0759 msgs CW
13470.0	RKU 71	Moscow Meteo, RU, URS	FAX // 53.6 kHz $
13473.0	GYU	RN Gibraltar, GIB	ARQ-M2 96 Bd: A: 2018 final tfc COMB
13487.5	ISX 35	ANSA Rome, I	0900 F nx
13491.0	CLP 1	MFA Habana, CUB	2114 ry
13496.5	SON 249B	PAP Warsaw, POL	SITOR-B: 1800 Polish nx
	SPW	Warsaw R, POL	CW
13504.0	'RPFNN'	PN Lisbon, POR	1520 ry, 2122 clg + tfc to 'RPTIH'

13510.0	CFH	CF Halifax, NS, CAN	75 Bd: 0847-2300 ry or wx FAX // 122.5 kHz $
13515.0	MKD	RAF Akrotiri, CYP	VFT: 1012-0132 ryi COMB
13517.0	PWZ	BN Rio de Janeiro, B	75 Bd: 2041+2055 clg CXR
13520.0	AOK	USN Rota, E	75 Bd: 1510-0407 foxes without ID
	FSB 72	INTERPOL Paris, F	SITOR-A: 0028+1658+1812 tfc CW
13524.0	YIO 72	INA Baghdad, IRQ	1200 F nx, 1300-2300 E nx
13525.0	CCS	CN Santiago, CHL	FAX // 4766.0 kHz $
13526.0	DHJ 51	Grengel Meteo, D	100 Bd: 24 h wx
13530.0	RVW 53	Moscow Meteo, RU, URS	24 h ry or wx
13537.0		UNID station (189)	ARQ-E 192 Bd: 0830 encrypted tfc
13538.0	Y7A 54	MFA Berlin, DDR	0434-2130 ry or tfc
	ZRO 3	Pretoria Meteo, AFS	FAX // 4014.0 kHz $
13540.0	LRO 81	TELAM Buenos Aires, ARG	1500-0400 S nx
	RRW 71	APN Moscow, RU, URS	100 Bd: 0400+0500+0600 A nx
	3BZ	Plaisance Air, MAU	0700 "ch" (PCA)
		Jakarta, INS	SSB
13541.5	SON 254	PAP Warsaw, POL	SITOR-B: 1200+1400+1800 Polish nx
13542.0	ZRO 3	Pretoria Meteo, AFS	75 Bd: 1920-0429 wx
	'RFTJD'	FF Douala, CME	ARQ-E3 48 Bd: 0645 encrypted msg after "KKKK..." to 'RFFA' (FTI)
13542.8	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0843 msgs (5lgs)
13543.0	LBL 1	Norweg. UNIFIL Beirut, LBN	SSB
	'H6L'	French E El Djaza'ir, ALG	75 Bd: 1026 msg (5fgs) + final tfc to 'P6Z', s. off
13550.0	ZKLF	Auckland Meteo, NZL	FAX // 5807.0 kHz $ CW
13560.0	BMB	Taipei Meteo, TAI	CW
13563.0	3MA 22	CNA Taipei, TAI	0230-0330+0930-1030+1330-1500 E nx
13563.6	SON 263	PAP Warsaw, POL	0600 E nx
13565.0	MKD	RAF Akrotiri, CYP	VFT: 24 h ryi COMB
13567.5	GPA 2	Portishead R, G	SITOR-A: 1911+2049+2211 tts CW
13571.0	HBD 20	MFA Berne, SUI	SITOR-A: 1000 msg (F/G press review)
13572.5	'RFFX'	FF Versailles, F	ARQ-E 72 Bd: 1226+2056 operational msg to 'RFFXL' (XXL)
13576.4	HBD 20	MFA Berne, SUI	SITOR-A: 1000 msg (G/F press review), 1133-1602 tfc, 1740 msg (5lgs)
13580.0	HMF 36	KCNA Pyongyang, KRE	0030-0100 F nx, 0400-0730 E nx, 1200+2330-2400 F nx FAX // 7363.7 kHz
13585.2	HBD 20	MFA Berne, SUI	SITOR-A: 0735+1803 tfc to HBD 71 SITOR-B: 1330 F nx
13597.0	JMH 4	Tokyo Meteo, J	FAX // 3622.5 kHz $
13597.4	IMB 56	Rome Meteo, I	FAX // 4777.5 kHz $
13598.2	VTU 4	Bombay, IND	CW

13600.0 - 13800.0 BROADCASTING < 531 >

13602.4	SON 260B	PAP Warsaw, POL	SITOR-B: 1200+1400+1800 Polish nx

13602.4	SPW	Warsaw R, POL	SITOR-A: 0647+1510-1732+2130 tts; QSX 12521.5 kHz CW
13610.0	3VF 40	TAP Tunis, TUN	1100 A nx, 1300 F nx, 1400 A nx, 1500+1600 F nx
13616.0	SON 261	PAP Warsaw, POL	CW
13635.5	'S'	Beacon Arkhangelsk, RU, URS	CW
13636.0	'C'	Beacon Moscow, RU, URS	CW
13636.2	'P'	Beacon Kaliningrad, RU, URS	CW
13636.5	'M'	Beacon Magadan, FE, URS	CW
13637.0	'D'	Beacon Odessa, UK, URS	CW
	'F'	Beacon Vladivostok, SE, URS	CW
13638.0	'O'	Beacon Moscow, RU, URS	CW
13638.7	'Z'	Beacon Mukachevo, UK, URS	CW
13638.8	'L'	Beacon Leningrad, RU, URS	CW
13639.0	'D'	Beacon Kholmsk, FE, URS	CW
13647.5	OLI 5	CETEKA Prague, TCH	1010-1110 F nx, 1230-1315 E nx, 1510-1600 F nx
13653.0	SUA 50	MENA Cairo, EGY	0600+0800 F nx, 0900 E nx, 1200+1500+1700 F nx, 1800+2000+2100 E nx
13654.6	'RFQP'	FF Jibuti, DJI	ARQ-M2 96 Bd: A: 0726-1605 msg or encrypted tfc after "KKKK..." to 'RFFA' (QPB) B: 0726-1455 msg or encrypted tfc after "KKKK..." to 'RFFA' (QPA, QPB)
13655.0	NMO	USCG Honolulu, HWA	CW
13656.0		VNA Hanoi, VTN	0530+1130 F nx, 1400 V nx, 1430 E nx
13665.0	6VU 73	Dakar Meteo, SEN	24 h ry or wx
13669.5	6VU 73	Dakar Meteo, SEN	FAX 120/576: 1730+1830 chart
13670.0	AOK	USN Rota, E	75 Bd: 1520-0327 foxes without ID
	RVW 52	R Moscow feeder, RU, URS	SSB
13676.0	AOK	USN Rota, E	75 Bd: 1113+1617-0728 foxes without ID
13689.0		UNID station (789)	FAX 120/576 LSB ISD: 1335+1350 pix
13707.0	RXA 77	Alma Ata Meteo, KA, URS	FAX 90/576: 0625 chart Europe - Soviet Union
13732.0	'RFLI'	FF Fort de France, MRT	ARQ-E 72 Bd: 0413+2220 tfc (IAG)
13735.0		R Moscow feeder, RU, URS	SSB
13737.0	5YD	Nairobi Air, KEN	24 h ry or msg (KSA)
13752.0	HZJ	Jeddah Air, ARS	24 h ry or msgs (JVA)
13753.5	LRB 75	REUTER Buenos Aires, ARG	FAX 60/288 LSB ISD: 1410-2110 pix with S text
13765.0	JAM 33	DIS Tokyo, J	0900 E nx
13766.0	3MA 26	CNA Taipei, TAI	FAX // 5117.0 kHz CW
13770.0		VoA Tanger, MRC	75 Bd: 0800+0900 E nx, 1000+1100 F nx, 1200+2200+2300 E nx
13779.0	BCA 95	PTT Shanghai, CHN	1118-1142+2234 ry or to CLN 405 (ZCA)
13780.0	HMF 35	KCNA Pyongyang, KRE	0400-0530 E nx, 0600-0830 R nx wca, 1000-1100 E nx, 1230-1430 R nx wca, 1500 E nx

13800.0 - 14000.0 FIXED + Mobile except aeronautical mobile (R)

13803.0	RCR 78	Khabarovsk Meteo, SE, URS	0654-0824+1255-1556+1918-0258 wx
13804.0	CSE 4	PAF Lajes AFB, AZR	SITOR-A: 1650 tfc, 1900 msgs
13814.0		PERTAMINA Jakarta, INS	SITOR-A: 0943 tfc to Lhokseumawe
		PERTAMINA Lhoks., INS	SITOR-A: 0943 msgs to Jakarta
13815.0	KRH 50	USE London, G	CW
13820.0	RVO 79	Moscow Meteo, RU, URS	(hx 6910.0 kHz)
	RVW 55	R Moscow feeder, RU, URS	ISB
13826.5	CLN 411	PL Habana, CUB	0800 E nx
13828.0	RIW	SN Khiva, UZ, URS	CW
13830.0	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: B: 0030+0053 "controle de voie" to 'RFFA' (QPB)
13833.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0939 tfc
13837.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0642+1642 msgs (5lgs) to various embassies
13839.0	GXQ	BA London, G	VFT: 0820 ryi
13845.0	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: A: 0543+1330-2018 msgs or svc msgs or msg (5lgs) or wx or encrypted tfc after "KKKK..." or "controle de voie" to 'RFFA' or 'RFQP' (RUN) B: 1347 msg to 'RFFA', 1500 encrypted tfc after "KKKK..." to 'RFFA', 1537 "controle de voie" to 'RFFA' (RUN)
13855.0	OXT	Copenhagen Meteo, DNK	FAX // 5850.0 kHz $ CW
	XVB 31	PTT Hanoi, VTN	0300 clg HMZ 33
13865.0	RUZU	SAAM Molodezhnaya, ANT	0542 msgs, 1646 wx
	'DOR'	MFA Sofia, BUL	1725+1805 msg
13865.9	SAM	MFA Stockholm, S	SWED-ARQ: 0721 msgs to SAM 33
13870.0	9UA	Usumbura Air, BDI	2057-2310 ry or msgs (BDA)
13876.0	Y2V 65	ADN Berlin, DDR	1400+1700 E nx
13882.5	DDK 6	Hamburg Meteo, D	FAX // 3855.0 kHz $
13885.0	CLP 1	MFA Habana, CUB	0417 msg + msg (5fgs) to Kabul
13886.0	TAD	MFA Ankara, TUR	75 Bd: 1755+2130 msgs to Washington
13893.5		GTZ Muqdisho, SOM	SITOR-A: 1318 msgs to Bonn
13895.0	Y2V 47	ADN Berlin, DDR	0500+0600 E nx, 0700 P nx, 0800+0900 A nx, 1000+1100 E nx, 1200+1300 A nx, 1400+1500 E nx, 1600+1700 A nx, 1800+1900 E nx, 2000 A nx
13900.0	RJK 78	Kiyev Meteo, UK, URS	(hx 6950.0 kHz)
13901.0	FDY	FAF Orleans, F	0817+1710 ry
13903.0		Yugoslav E Managua, NCG	75 Bd: 2135 msgs (5fgs) to 'DFZG'
13905.0	MKD	RAF Akrotiri, CYP	VFT: 1800 ryi
13906.1	VER	CF Ottawa, ONT, CAN	ARQ-M2 96 Bd: B: 0036+0340+0712+0443 encrypted tfc
13915.0	HBC 88	ICRC Geneva, SUI	SITOR-A: 1433 final tfc
13919.5		MFA Rome, I	SITOR-A: 0840 msgs (5lgs)
13920.0	AXM 35	Canberra Meteo, ACT, AUS	1635 test (wx) FAX // 2628.0 kHz $
	LZN 3	BTA/PTT Sofia, BUL	(hx 6960.0 kHz)
13925.0	MKD	RAF Akrotiri, CYP	VFT: 0422-1556 ryi COMB
	Y3D 5	DP Berlin, DDR	0900-0935 ry

13926.9	DFN 92	PIAB Bonn, D	FEC-A 96 Bd: 0800+0900+1000+1400 G nx
13927.7	DFN 92	PIAB Bonn, D	FEC-A 96 Bd: 1400+1500 G nx
13928.6	DMK	MFA Bonn, D	ARQ-E 96 Bd: 1415 msgs to Madrid
		FRG E Accra, GHA	ARQ-E 96 Bd: 0904 encrypted msg + msg to Bonn
		FRG E Athens, GRC	ARQ-E 96 Bd: 1123+1234 encrypted msgs to Bonn
		FRG E Delhi, IND	ARQ-E 96 Bd: 0810 final tfc to Bonn, s. off
13929.7		MFA Cairo, EGY	SITOR-A: 2336 ATU-A tfc
13932.0	'DOR'	MFA Sofia, BUL	75 Bd: 0908 encrypted msgs after "DDD..."
13936.0	'RYICW'	Norweg. UNIFIL Beirut, LBN	SSB
13938.5	'RYICW'	Norwegian UNIFIL Beirut, LBN	SITOR-A: 1720 s. on with msg to 'RYFIA'
13941.5		MFA Tunis, TUN	SITOR-B: 1145+1551 msgs (5lgs), 1714+1725+1750+1940 tfc
13944.0	YOG 59	AGERPRES Bucharest, ROU	(hx 6972.0 kHz)
13947.0	ROM 5	Tashkent Met., UZ, URS	FAX // 3280.0 kHz #
13950.0	CLN 414	PTT Habana, CUB	1805+1910 to New York (CUB)
	Y7A 55	MFA Berlin, DDR	0721-1320 ry or tfc CW
13950.2	6TR 88	ICRC Khartoum, SDN	SSB
13953.0		Turkish E Belgrade, YUG	FEC-A 144 Bd: 0703 msg to TAD
13956.0	Y2V 42	ADN Berlin, DDR	1700 E nx
13960.0	ROW 27	R Moscow feeder, RU, URS	SSB
13965.0	HBC 88	ICRC Geneva, SUI	SSB
13966.5	HBC 88	ICRC Geneva, SUI	SITOR-A: 0805 tfc to Baghdad, 0945 tfc, 1133 tfc to SUR 88
		ICRC Baghdad, IRQ	SITOR-A: 0805 msg to HBC 88
13974.0		many USN MARS stations	SSB
13975.3	CLP 1	MFA Habana, CUB	CW
13977.5		PTT Moscow, RU, URS	SSB
13977.7	'RFFUAJ'	FF Villacoublay, F	ARQ-M2 200 Bd: A: 0717-0730+1225+1506+2040 msgs (QVA)
13980.0	'RFFXL'	FF Beirut, LBN	ARQ-E 72 Bd: 0910-1435 svc msg or msgs or encrypted msg after "KKKK..." to 'RFFX' (XZL)
13993.0	AIR	USAF MARS A. AFB, MD, USA	SSB
13996.5	STK	Khartoum Air, SDN	0911-2315 ry or msgs (SKA)
13998.0	FTN 99	DIPLO Paris, F	0000+0900-2200 F nx
14000.0 - 14250.0		AMATEUR + AMATEUR-SATELLITE	< 510 >
14069.9	CLP 5	Cuban E Moscow, RU, URS	0515 msgs (5fgs, 5lgs)
14140.9	UMS	Moscow, RU, URS	CW
14166.0	RKST	Tashkent Air, UZ, URS	(hx 7083.0 kHz)
14170.0	UMS	Moscow, RU, URS	CW
14206.5	RQT	Irkutsk, SE, URS	CW
14211.9	RMT	SN Chelyuskin, SE, URS	1336 R tts wtsca
14250.0 - 14350.0		AMATEUR	< 510 535 >
14251.7		MFA Cairo, EGY	SITOR-A: 1037 msg
14294.5	RQT	Irkutsk, SE, URS	CW
14320.7		MFA Cairo, EGY	SITOR-A: 0528 ATU-A msgs to Beirut
14325.0	'U'	Beacon Murmansk, RU, URS	CW

14340.0	**BAF 47**	**Beijing Meteo, CHN**	**2140-1051 wx**
14350.0 - 14990.0		**FIXED + Mobile except aeronautical mobile (R)**	
14356.0	**GFL 24**	**Bracknell Meteo, G**	**24 h ry or wx**
14357.5	FTO 35	DTRE Paris, F	SSB
14359.0	**SNN 299**	**MFA Warsaw, POL**	**75 Bd: 1552 ry, 1717 msgs (5fgs) to European embassies** CW
14360.0	**AOK**	**USN Rota, E**	**75 Bd: 24 h foxes without ID**
	KWS 78	USE Athens, GRC	CW
14362.0	**SOO 236**	**PAP Warsaw, POL**	**1200 Polish nx** CW
14367.0	BAF 8	Beijing Meteo, CHN	FAX // 5527.0 kHz $
	BZP 54	**XINHUA Beijing, CHN**	**75 Bd: 0600-2000 E nx**
14370.5	**HZJ**	**Jeddah Air, ARS**	**0319-2207 ry or msgs (JSA)**
14373.0	**YIL 73**	**INA Baghdad, IRQ**	**1200 F nx, 1300-2300 E nx**
14376.0	**BZT 34**	**XINHUA Beijing, CHN**	**0830-0945 R nx wca**
14383.3		many USN MARS stations	SSB
14384.5		many CFARS stations	SSB
14386.7		**MFA Islamabad, PAK**	**SITOR-A: 0127 tfc**
14388.0		**UNID station (689)**	**100 Bd: 1403 ry** **ARQ-E 96 Bd: 0718-1055 very long ("gr 1849") msgs (5lgs) + E tfc** **ARQ-E 192 Bd: 1018 encrypted tfc**
14390.0		PLO Aden, YMS	SSB
		PLO Damascus, SYR	SSB
14393.0	**AIR**	**USAF MARS Andrews AFB, Camp Springs, MD, USA**	**75 Bd: 1600 msgs to NOASC (KFS)**
14398.0		VoA Delano feeder, CA, USA	SSB
14402.0	**ZUD 89**	**PTT Pretoria, AFS**	**AUTOSPEC 68 Bd: 1507 idling**
14405.0	**MKD**	**RAF Akrotiri, CYP**	**VFT: 1055+1828+2307 ryi** COMB
14406.0	**SAM**	**MFA Stockholm, S**	**SWED-ARQ: 1218 msgs to SAM 48**
14407.0		**MFA Islamabad, PAK**	**0717 final tfc, s. off**
14410.0	RIZ 54	R Moscow feeder, RU, URS	ISB
	'RPTIH'	**PN Horta, AZR**	**1542+2122 clg 'RPFNN'**
14412.2	**VJM**	**OTC Macquarie Island, ANT**	**ARQ-M2 96 Bd: A: 0620 tfc to Sydney** **B: 0623 wx**
14415.0	VJM	OTC Macquarie I., ANT	SSB
14418.0	**9KT 321**	**KUNA Safat, KWT**	**0800-2000 E nx**
14420.0	**'RFTJDA'**	**FF Libreville, GAB**	**ARQ-E 72 Bd: 1627 "controle de voie" to 'RFTJD' (DAD)**
14422.0	**9KT 321**	**KUNA Safat, KWT**	**0700-2100 A nx**
14432.0		**MFA Kinshasa, ZAI**	**SITOR-A: 1528+1925 msgs**
14432.5	**MKK**	**RAF London, G**	**VFT: 0307-2202 ryi** COMB
14434.5	**FJY 4**	**Martin de Vivies Meteo, AMS**	**75 Bd: 0310 s. on with clg Reunion, wx**
14436.0	GFE 23	Bracknell Meteo, G	FAX // 2618.5 kHz $
14437.0	RUU 72	R Moscow feeder, RU, URS	SSB
14441.5		many USN MARS stations	SSB
14445.0	BAF	Beijing Meteo, CHN	FAX // 3170.0 kHz
	MKK	**RAF London, G**	**VFT: 0819-2108 ryi**
		many CFARS stations	SSB
14452.0	**HMF 57**	**KCNA Pyongyang, KRE**	**0800-1030 E nx, 1215+1300 F nx**
14458.0	**ARA**	**Karachi Air, PAK**	**24 h ry or msgs**
14460.0	**Y7A 57**	**MFA Berlin, DDR**	**0826-1654 ry or tfc** **100 Bd: 0728 tfc**

14462.0	Y7B 26	GDR E Sofia, BUL	0640 s. on with tfc, 1113 msgs (5lgs)
14462.5	TNL	ASECNA Brazzaville, COG	0609+1720 ry
	8CJ	Ujung Pandang Air, INS	0130 ry
14467.0		many USN MARS stations	SSB
14470.0		many USN MARS stations	SSB
14476.0	5BC 67	Nicosia R, CYP	SSB QSX 16442.0 kHz
14476.5	'K'	Beacon Khabarovsk, SE, URS	CW
14477.0		many USN MARS stations	SSB
14480.0		Czech E Sofia, BUL	75 Bd: 1112 msgs to OMZ
14486.5	'P6Z'	MFA Paris, F	75 Bd: 0830 ry, 0907 clg 'F9S', 0930 msgs (5lgs) + tfc, 1019+1449 msg (5lgs) ARQ-E 48 Bd: 0800 "controle de voie" FEC-A 144 Bd: 1115 tfc to 'Z4D', 1555 msg (F nx)
14488.5	OEC	MFA Vienna, AUT	SI-ARQ 96 Bd: 5 characters: 0710 tfc to Baghdad, 0754+0840 msg (E APA-nx), tfc to OEC 35, 1458 tfc to OEC 72
	OEC 35	Austrian E Delhi, IND	SI-ARQ 96 Bd: 5 characters: 0845 final tfc to OEC, s. off
	OEC 51	Austrian E Cairo, EGY	SI-ARQ 96 Bd: 5 characters: 0955 tfc + msgs to OEC
	OEC 72	Austrian E Lisbon, POR	SI-ARQ 96 Bd: 5 characters: 1501 tfc + msg (5lgs) to OEC
14490.0	RNK 36	TASS Moscow, RU, URS	0430-1700 E nx
14492.0	CMU 967	SN Habana, CUB	CW
14496.2	4UNQ	UNIFIL Enn Naqoura, LBN	75 Bd: 0431-1756 ry
14497.5	CSY	Santa Maria Air, AZR	24 h ry or msgs (MCA)
14498.0	SUC	Cairo Air, EGY	0748-2203 ry or msgs (ESA)
14500.0	RBA 50	PTT Moscow, RU, URS	SSB
14501.5		PTT Moscow, RU, URS	ARQ-M2 96 Bd: A: 1542+1800 to Karachi (MSK) B: 1352 to Karachi, 1417 svc msg to Karachi (MSK)
14506.7		Burgos, E	SITOR-A: 0947 tfc + msg
14508.0	D4B	Amilcar C. Air, Sal, CPV	1312-0019 ry or msgs (CMA)
14509.0	RIW	SN Khiva, UZ, URS	CW
14510.0	RIC 75	TASS Moscow, RU, URS	0000+0500-1900 E nx
14512.5		MFA Jakarta, INS	0032 tfc
14520.0	BCX 24	ITA Taipei, TAI	CW
	OEC	MFA Vienna, AUT	SI-ARQ 96 Bd: 5 characters: 1100 msg (G nx)
14522.0	FUF	FN Fort de France, MRT	FAX 120/576: 2230 chart Lesser Antilles
14524.0	SAM	MFA Stockholm, S	SWED-ARQ: 0900 msg (Swedish nx)
14526.0		VoA Greenvl. fdr., NC, USA	ISB
14526.5		VoA La Union, Poro Island, PHL	75 Bd: 0000+0100+0300+0600 E nx
14534.5		Italian E Tehran, IRN	SITOR-A: 0707+1032 tfc to Rome
14540.0	MKK	RAF London, G	VFT: 0537-1946 ryi COMB
14541.5	HGK 26	PTT Budapest, HNG	1430+1451 ry
14546.5		Italian E El Djaza'ir, ALG	SITOR-A: 0845+1025+1353 msg + msg (5lgs) to Rome
14547.5	JAL 44	KYODO Tokyo, J	0720-0820+1000-1100 E nx
14556.0	RIW	SN Khiva, UZ, URS	CW
14560.0	JYF 2	PETRA Amman, JOR	0800 E nx, 0900+1000+1100 A nx
14564.0	5BC 68	Nicosia R, CYP	SSB QSX 16442.0 kHz
14568.0	HMF 32	KCNA Pyongyang, KRE	0400-0600+1000-1100 E nx

14569.0	Y7A 58	MFA Berlin, DDR	0453-1702 ry or tfc CW
14573.0		JANA Tripoli, LBY	0700-1300+1600+1700 A nx
14574.4	CNM 59X9	MAP Rabat, MRC	0900-1030 A nx, 1200-1400 E nx, 1530-1700 A nx
14575.0		MFA Jakarta, INS	SSB
14578.0	'RFFXL'	FF Beirut, LBN	ARQ-E 72 Bd: 0840+1005+1030+1648 ry or msg to 'RFFX' (XZL)
14580.0	RCC 74	R Moscow feeder, RU, URS	SSB
14582.5	GFA 25	Bracknell Meteo, G	FAX // 3289.5 kHz $
14583.7	JTF 29	MFA Ulan Bator, MNG	0525+0626 clg OMZ 24
14585.7	'RFPTC'	FF N'djamena, TCD	ARQ-M2 200 Bd: A: 1915 operational msgs to 'RFFA', 1918 encrypted tfc after "KKKK..." to 'RFFA' (FDZ2)
14600.0	CAK	Santiago Air, CHL	0120+0140 msgs, 2315 ry (SIA)
14602.5	MKD	RAF Akrotiri, CYP	VFT: 24 h ryi COMB
14604.0	BAC 24	PTT Beijing, CHN	0758+1355-1520 ry
14605.0	VHP	RAN Canberra, ACT, AUS	CW
	Y7K 30	MFA Berlin, DDR	0603-1619 ry or tfc
14606.0		many USAF MARS stations	SSB
14607.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0812 msgs
14607.5		INTERPOL Victoria I., HKG	CW
14610.0	RCR 79	Khab. Meteo, SE, URS	FAX // 3250.0 kHz $
14616.0	KWL 90	USE Manila, PHL	CW
14619.0	Y7A 59	MFA Berlin, DDR	0646-2142 ry or tfc CW
	BEB 5	PTT Banda Aceh, INS	ARQ-M4 192 Bd: 0337+0112 idling
14625.0	RCG 79	R Moscow feeder, RU, URS	ISB
	'RFLI'	FF Fort de France, MRT	ARQ-M2 96 Bd: A: 1255+1511+1803 "controle de voie" to 'RFTJ' (LIJ) B: 1100 encrypted msg after "KKKK..." to 'RFTJ'
14627.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0433 s. on with msg
14630.5	ISX 46	ANSA Rome, I	0800 E nx, 0900 F nx, 1100+1200 E nx, 1400 F nx, 1500 E nx, 1600 F nx, 1800+1900 E nx, 2000 F nx
14632.0	YZC 2	TANJUG Belgrade, YUG	1100-1700 E nx
14633.0		Jakarta, INS	SSB
14634.0	GYA	RN London, G	75 Bd: 0447-2034 test
14635.0	RDR 28	PTT Moscow, RU, URS	SSB
14638.0	WFK 54	USIA New York, NY, USA	75 Bd: 1500+1600 E nx, 1700 S nx, 1800-2300 E nx
14639.5		PTT Moscow, RU, URS	SSB
14640.0		KPL Vientiane, LAO	0900 E nx
14641.0	EBA	SN Madrid, E	CW
14645.0	SKN 26	Stockholm Air, S	SSB
14645.7		Egyptian E Khartoum, SDN	SITOR-A: 0656+1548 ATU-A tfc to Cairo
14647.5		Jambi, INS	SSB
14663.5	DMK	MFA Bonn, D	ARQ-E 96 Bd: 1434 tfc to Beirut CW
		FRG E Athens, GRC	ARQ-E 96 Bd: 1017 msgs to Bonn
14670.0	CHU	Ottawa TS, ONT, CAN	CW/SSB
	MKD	RAF Akrotiri, CYP	VFT: 1620-0322 ryi COMB
14677.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0913 ry, tfc
14685.0	3MA 25	CNA Taipei, TAI	FAX // 5117.0 kHz CW

14692.5	JMJ 4	Tokyo Meteo, J	FAX // 3365.0 kHz $
14700.0	REB 24	TASS Moscow, RU, URS	0500-2200 E nx
	RUU 78	Leningrad Meteo, RU, URS	(hx 4900.0 kHz)
14712.5		RFE Holzkirchen feeder, D	ISB
14719.0	OST 58	Oostende R, BEL	SITOR-B: 0115+0215+1115+1315+1415+1615+1715+1915+2315 tfc list CW
14720.0	RKB 58	TASS Moscow, RU, URS	0600+0700+0800 F nx, 0900+1100+1200 A nx, 1300+1400 F nx, 1500+1900 A nx F7B: 1600 A/F nx
14722.5	TNL	ASECNA Brazzaville, COG	24 h ry or msgs (FNA)
14737.0	RXO 72	Khab. Meteo, SE, URS	FAX // 4516.7 kHz $
14750.0	'RFFXI'	FF Bangui, CAF	ARQ-E 72 Bd: 1645 msg (XZI)
14757.5	'RFQP'	FF Jibuti, DJI	ARQ-M2 96 Bd: A: 2047+2211 "controle de voie" (JTA)
14759.0	GYU	RN Gibraltar, GIB	COMB
14760.0	BAT 93	XINHUA Beijing, CHN	0200+0800+1000+1200+1300+1400+1500 E nx, 1600 F nx, 1700+1900+2000 E nx
	CNM 61	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
14764.0	A9M 70	GNA Manama, BHR	75 Bd: 0500-2100 A nx
14765.0		Denpasar, INS	SSB
14776.0	SUC	Cairo Air, EGY	24 h ry or msgs (EWA)
14785.0	ATP 65	MEA Delhi, IND	0830-1700 E nx
14786.5	9PL	Kinshasa Air, ZAI	1543-0559 ry or msgs
14789.0		BP Jakarta, INS	SSB
		BP Palembang, INS	SSB
14794.3	FTO 79A.H1	AFP Paris, F	0600-1800 A nx
14795.7	FTO 79A.H3	AFP Paris, F	0600-1900 F nx
14799.5	Y2V 24B	ADN Berlin, DDR	0600-0750+1300+1900 F nx
14800.0	RKF 64	PTT Moscow, RU, URS	SSB
14800.5	Y2V 24A	ADN Berlin, DDR	0600-1800 E nx, 1800 P nx
14807.0	GXQ	BA London, G	VFT: 24 h ryi COMB
14810.0	HGX 21	MFA Budapest, HNG	0802+0830+0852 ry, 1355 clg HGX 57, 1540 clg HGX 50
14814.0	HGX 45	Hung. E Islamabad, PAK	1136+1245 clg HGX 21
14818.0	Y7A 60	MFA Berlin, DDR	100 Bd: 0507+0526+0649+1321 ry CW
14823.0	XVN	Hanoi Meteo, VTN	0030+0340+0615 ry
14825.0	Y2V 25	ADN Berlin, DDR	0800-1300+1600 E nx
14828.0	NPM	USN Pearl Harbour, HWA	FAX // 2122.0 kHz $
14831.0	9KT 33	KUNA Safat, KWT	0800-2000 E nx
14835.0	9KT 33	KUNA Safat, KWT	0700-2100 A nx
14837.0	VVD 65	Delhi Meteo, IND	0704-1410 ry or wx
14840.0	MKK	RAF London, G	VFT: 0442+1213+2203+2318 ry COMB
14840.5	HGX 21	MFA Budapest, HNG	DUP-ARQ: 0800 tfc
14842.0	ATV 65	Delhi Meteo, IND	FAX // 4993.5 kHz $
14845.0	MUA	BA London, G	ARQ-M2 96 Bd: A: 1725 encrypted tfc B: 1516 encrypted tfc
14850.0	ROW 26	R Moscow feeder, RU, URS	ISB
14855.0	MKD	RAF Akrotiri, CYP	VFT: 1050-2012 ryi COMB
14859.5	T3Z	R Bariki fdr., Ta. At., KIR	SSB
14867.7		MFA Cairo, EGY	SITOR-A: 1613 ATU-A tfc
14868.0	'ATNS'	French E Athens, GRC	FEC-A 192 Bd: 0825 msgs (5lgs) to 'P6Z'

14870.0	**'ATNS'**	**French E Athens, GRC**	**FEC-A 192 Bd: 0756+1727 msgs (51gs) to 'P6Z'**
14875.0	**MKD**	**RAF Akrotiri, CYP**	**VFT: 1002 ryi**
	'RFLI'	**FF Fort de France, MRT**	**ARQ-E3 48 Bd: 2056 "controle de voie"**
	WFE 34	**ITT New York, NY, USA**	**1202-0050 foxes**
14880.0	**JMG 4**	**Tokyo Meteo, J**	**24 h wx**
14901.0	**CLN 451**	**PL Habana, CUB**	**0600+1200-2200 E nx**
14909.7		**Egyptian E Tunis, TUN**	**SITOR-A: 0813-1732 ATU-A msg + msg (51gs) to Cairo**
14912.0	**'DFZG'**	**MFA Belgrade, YUG**	**75 Bd: 0825 ry, 1500+1540+1600 msg (SC nx)**
14914.0		**Yugoslav E Addis Ababa, ETH**	**75 Bd: 0750 tfc + msg + encrypted msg after "MSMSMS..." to 'DFZG'**
14916.5	T3Z	R Bariki fdr., Ta. At., KIR	SSB
14923.0	**BAP 44**	**XINHUA Beijing, CHN**	**0000-0300 E nx**
14925.0	**'RFTJ'**	**FF Dakar, SEN**	**ARQ-M2 96 Bd: A: 1542+1955 msg (F nx) to 'RFTJD' (TJD)**
14927.0	**BUA 54**	**XINHUA Beijing, CHN**	**ARQ-M4 192 Bd: A: 0341 ry B: 0700 E nx**
14932.0		**APS El Djaza'ir, ALG**	**0700-1000 A nx, 1100 E nx, 1200 F nx, 1300 E nx, 1400 A nx, 1500 S nx, 1600+1700+1800 A nx**
14937.5	**TTL**	**ASECNA N'djamena, TCD**	**0324+1735+2238 ry**
14938.0	**BPJ 22**	**XINHUA Beijing, CHN**	**ARQ-M4 192 Bd: A: 1600 F nx B: 1500 E nx D: 1600 F nx**
14940.0	RIC 71	R Moscow feeder, RU, URS	SSB
	RIC 71	**TASS Moscow, RU, URS**	**0700-2000 F nx**
14950.0	**RWM 79**	**APN Moscow, RU, URS**	**100 Bd: 0400 R nx wtsca, 0500+0600 A nx, 0700+0800 R nx wtsca**
	RXB 75	Khab. Meteo, SE, URS	(hx 7475.0 kHz)
14955.5	**CLP 1**	**MFA Habana, CUB**	**1609 msg to CLP 65, 1625 to Managua, 1730 msg (5fgs) to Lima**
14958.1	**'RFTJ'**	**FF Dakar, SEN**	**ARQ-M2 96 Bd: A: 0154 operational msg to 'RFLI', 0600 "controle de voie" to 'RFLI' (TJI)**
14960.0	**'RFFXL'**	**FF Beirut, LBN**	**ARQ-E 72 Bd: 1246-2142 msgs or "controle de voie" to 'RFFX' (XXL)**
14966.5	'U'	Beacon Murmansk, RU, URS	CW
14970.0	**CLP 1**	**MFA Habana, CUB**	**0440+1430+1513+1600 msg to Panama**
14975.0	**'P6Z'**	**MFA Paris, F**	**FEC-A 144 Bd: 2348 ry**
14977.5	**OLM 4**	**PTT Prague, TCH**	**1158+1253+1629 ry**
14982.5	RBV 76	Tashkent Met., UZ, URS	FAX // 3690.0 kHz $
14982.9		**VoA Kavalla, GRC**	**VFT: 75 Bd: 1315 clg + tfc to Greenville**
14984.3		**VoA Kavalla, GRC**	**// 14982.9 kHz**
14986.0	**TNL 96**	**Brazzaville Meteo, COG**	**1250+1615 ry**
14989.0	**TNL**	**ASECNA Brazzaville, COG**	**ARQ-M2 96 Bd: B: 1712 msg (BNA)**

14990.0 – 15005.0 STANDARD FREQUENCY AND TIME SIGNAL < 501 >

14993.0	*worldwide*	*MSV SAR operations frequency*	*SSB*
14996.0	RWM	Moscow TS, RU, URS	CW
15000.0	ATA	Delhi TS, IND	SSB
	BPM	Xi'an TS, CHN	CW/SSB
	BSF	Taipei TS, TAI	CW/SSB

15000.0	JJY	Tokyo TS, J	COMB
	LOL 3	AN Buenos Aires TS, ARG	CW/SSB
	RTA	Novosibirsk TS, SW, URS	CW
	WWV	Fort Collins TS, CO, USA	COMB
	WWVH	Kihei TS, Maui Island, HWA	COMB
15004.0	RID	Irkutsk TS, SE, URS	CW

15005.0 - 15010.0 STANDARD FREQUENCY AND TIME SIGNAL + Space Research

15010.0 - 15100.0 AERONAUTICAL MOBILE (OR)

15013.0		UNID station (1288)	FEC-A 192 Bd: 0551 ry, s. off
15015.0	AFH	USAF Albrook AFB, Blb., PNR	SSB
	AJO	USAF Adana, TUR	SSB
15016.7		MFA Cairo, EGY	SITOR-A: 0820 ATU-A msg (press review), 1042+1354 ATU-A msgs
15020.0		SANA Damascus, SYR	1600 E nx, 1630 F nx
15021.7		MFA Cairo, EGY	SITOR-A: 1357 ATU-A msgs
15024.0	COL	Habana Air, CUB	CW
	RFNV	Moscow Air, RU, URS	CW
15031.0	AFI	USAF McCl. AFB, S., CA, USA	SSB
15035.0	CHR	CF Trenton, ONT, CAN	SSB
	CJX	CF Saint John's, NFLD, CAN	SSB
	VXA	CF Edmonton, ALTA, CAN	SSB
15040.0	MKL	RAF Edinburgh, G	CW
15041.0	AFA	USAF A. AFB, C.S., MD, USA	SSB
15050.0	RBX 56	ANGOP Moscow, RU, URS	(hx 7525.0 kHz)
	4XZ	IN Haifa, ISR	CW
15060.0	RQM 76	Khab. Meteo, SE, URS	(hx 7530.0 kHz)

15100.0 - 15600.0 BROADCASTING < 531 >

15462.0		JANA Tripoli, LBY	0800 E nx, 1700 F nx, 1800 E nx
15470.0	CAN 6D	Presid. Eduardo Frei Montalva Meteo, CHL	FAX // 5302.5 kHz CW
15480.0		APS El Djaza'ir, ALG	1000+1100 E nx, 1200 F nx, 1300+1400 E nx, 1500 S nx, 1600 F nx, 1700 S nx, 1900 E nx
15508.5	SOP 250	PAP Warsaw, POL	1700 F nx
15520.0	RGH 77	Arkhangelsk M., RU, URS	(hx 7760.0 kHz)
15524.0	RGH 77	Arkhang. M., RU, URS	(hx 7762.0 kHz)
15550.0	'RFTJ'	FF Dakar, SEN	ARQ-M2 96 Bd: A: 0932+2010 "controle de voie" to 'RFFA' (TJI) B: 0339 "controle de voie" to 'RFFA'
15555.0	LZP 2	BTA Sofia, BUL	1200+1300 E nx
15563.0	PME 8	PTT Bandung, INS	COMB
15566.0	RTC 26	Novosibirsk Met., SW, URS	0202-1029 wx
15575.0	REN 30	TASS Moscow, RU, URS	0500-1400 E nx
15580.0	REM 58	TASS Moscow, RU, URS	0600+0800+0900 E nx, 1200+1300 F nx, 1400+1500+1600 E nx
15593.0	KRH 51	USE London, G	75 Bd: 0650-1849 foxes
15597.0	KRH 51	USE London, G	// 15593.0 kHz

15600.0 - 16360.0 FIXED < 536 >

15600.0	RBM 76	R Moscow feeder, RU, URS	SSB
15607.5	VLN	OTC Sydney, NSW, AUS	ARQ-M2 96 Bd: B: 0500 "daily IPS report to all Antarctic stations" (= radio propagation situation)
15615.0	AXI 35	Darwin Meteo, NT, AUS	FAX // 5755.0 kHz $
15621.1	VER	CF Ottawa, ONT, CAN	ARQ-M2 96 Bd: A: 0442+2215 encrypted tfc
15630.0	RWM 72	APN Moscow, RU, URS	100 Bd: 0500+0600+0700+0800 R nx wtsca
15633.0	HMF 26	KCNA Pyongyang, KRE	0400-0530 E nx, 0600-0830 R nx wca, 1000-1100 E nx, 1230-1430 R nx wca
15635.0	'RFTJ'	FF Dakar, SEN	ARQ-M2 96 Bd: A: 1751+1821 "controle de voie" to 'RFQP', 1833 msg to 'RFQP' (TJA)
15640.0		APN Moscow, RU, URS	100 Bd: 0500 E nx, 0600 A nx
15643.0	9KT 331	KUNA Safat, KWT	0800-2000 E nx
15647.0	9KT 331	KUNA Safat, KWT	0700-2100 A nx
15647.2	PCW 1	MFA Den Haag, NLD	SITOR-A: 0102+0412+0641+1405+1601+2208 tfc
			CW
15652.0	SNN 299	MFA Warsaw, POL	75 Bd: 0542 ry
15654.5	'U'	Beacon Murmansk, RU, URS	CW
15656.0	RIT	SN Vaygach, RU, URS	CW
15659.0		NRK Oslo feeder, NOR	SSB
15665.5	FDY	FAF Orleans, F	0819-1713 ry
15670.0	HGM 36	MTI Budapest, HNG	1615 E nx
15679.0		Polish E Delhi, IND	75 Bd: 0600 msgs to SNN 299
15681.5		MFA Rome, I	SITOR-A: 0813 msg (51gs)
15684.0	FSB	INTERPOL Paris, F	SITOR-A: 0755-1733 tfc or msg
			CW
15693.0		APN Moscow, RU, URS	100 Bd: 0700+0800+0900 F nx
15693.5	ISX 56	ANSA Rome, I	0800 E nx, 0900 F nx, 1100+1200 E nx, 1400 F nx, 1500 E nx, 1600 F nx
15696.5	CLN 484	PTT Habana, CUB	ARQ-M2 96 Bd: A: 2033 tfc
15700.0	ZAA	ATA Tirana, ALB	(hx 7850.0 kHz)
15704.5	'U'	Beacon Murmansk, RU, URS	CW
15705.0	YZJ 6	TANJUG Belgrade, YUG	0900-1700 F nx
15710.0	RED 52	TASS Moscow, RU, URS	0600-1645 F nx
15712.0	9HY 15	DW Cyclops, MLT	1109 ry, msg; 1128 ry, 1130 tfc
15715.0	MKK	RAF London, G	VFT: 1153+1237+1454 ryi
			COMB
15715.8		VoA Greenville, NC, USA	VFT: 75 Bd: 1350 msgs to Rhodes
15717.1		VoA Greenville, NC, USA	// 15715.8 kHz
15720.0	RWM 74	APN Moscow, RU, URS	100 Bd: 0700 R nx wtsca, 0800 E nx, 0900 R nx wtsca
	RWM 74	R Moscow feeder, RU, URS	SSB
15727.0	YKW 113	STE Damascus, SYR	0900+1316+1500 to Moscow (DMS)
15731.0		SUNA Khartoum, SDN	1000+1415 A nx, 1600 E nx, 1700 A nx
15737.0	GYU	RN Gibraltar, GIB	VFT: 1312 tfc
15744.0	XVN 36	VNA Hanoi, VTN	0500+0700+0800 E nx
15750.0	RWM 73	PTT Moscow, RU, URS	0557+0648+0703+1501 to YKW 113 (MSD)
	RWM 73	R Moscow feeder, RU, URS	SSB
15752.7	CNM 66X2	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx

15780.0	RWM 71	TASS Moscow, RU, URS	0600-1800 E nx
15789.8	AOK	USN Rota, E	75 Bd: 0105+1347+1742+2003 foxes without ID
15792.2	TNB 82	OTIC Brazzaville, COG	SSB
15795.5	TNB 82	OTIC Brazzaville, COG	SSB
		Italian E Ankara, TUR	SITOR-A: 1350 msgs (5lgs) + tfc to Rome
15803.0	4XZ	IN Haifa, ISR	CW
15809.0	'K'	Beacon Khabarovsk, SE, URS	CW
15811.5		MFA Rome, I	SITOR-A: 0910+1000 msg (5lgs) to Rabat
15830.0	RUZU	SAAM Molodezhnaya, ANT	0100+0700+1300+1500 ry, wx FAX // 10142.0 kHz
15842.5	C9L 629	AIM Maputo, MOZ	1500+1600 E nx
15843.0	VLV	OTC Mawson, ANT	ARQ-M2 96 Bd: B: 0501+0635 to Sydney
15845.0	SUA 289	MENA Cairo, EGY	0600-2200 A nx
15860.0	'RFFXI'	FF Bangui, CAF	ARQ-E 72 Bd: 0537+0742 msg, 1700 msg (F nx) (XZI)
15865.0	RBK 79	TASS Moscow, RU, URS	0500-1900 A nx F7B: 0700 A/F nx
15870.0	AJE	USAF AWS Croughton, G	75 Bd: 0421+1930+2325 wx
15873.0	'P6Z'	MFA Paris, F	75 Bd: 1533 to 'J5W', 1604 msgs FEC-A 144 Bd: 1636 msg (5lgs) + tfc
15878.0	3MA 24	CNA Taipei, TAI	FAX // 5117.0 kHz CW
15890.0	RBI 79	TASS Moscow, RU, URS	0600-1900 P nx
15897.5	OLS 4	CETEKA Prague, TCH	1400-1500 E nx
15901.0	GYE	RN London, G	VFT: ARQ-M2 96 Bd: B: 1008 encrypted tfc COMB
15910.0	RGG 43	APN Moscow, RU, URS	100 Bd: 0700+0800+0900 E nx
15911.0	Y7A 61	MFA Berlin, DDR	0816-1407 ry or tfc 100 Bd: 0459-1355 ry or tfc
15916.7		MFA Cairo, EGY	SITOR-A: 1640 ATU-A msgs
15920.0	CFH	CF Halifax, NS, CAN	CW
	RBZ 59	TASS Moscow, RU, URS	0700 E nx
15925.0	AOK	USN Rota, E	75 Bd: 24 h foxes without ID
	RPT 32	TASS Moscow, RU, URS	0400-1300+1700 F nx
15927.0	NPO	USN Subic Bay, PHL	FAX // 7894.0 kHz $
15930.0	RBI 78	TASS Moscow, RU, URS	0430+0500 E nx, 0600-1645 F nx
15935.0	SUA 291	MENA Cairo, EGY	1100 F nx, 1200 E nx, 1300+1400 F nx, 1700+2000 E nx, 2100 F nx
15938.7		MFA Cairo, EGY	SITOR-A: 0911 ATU-A msg, 1729 ATU-A tfc
15940.0	ELE 25	USLRC Harbel, LBR	SITOR-A: 1236 tfc, 1420-1930 msgs to Akron
15941.0	OMZ	MFA Prague, TCH	75 Bd: 0905 msg
15942.1	AOK	USN Rota, E	75 Bd: 0102+1150+1746+2010 foxes without ID
15945.0	GXQ	BA London, G	VFT: 0538-1917 ryi COMB
15950.0	CXR	UN Montevideo, URG	75 Bd: 2009-2200 ry or clg 5KM
	JJD	RRL Tokyo, J	CW
	RBI 77	Moscow Meteo, RU, URS	FAX // 2815.0 kHz $
15955.0	3BT 4	Vacoas Meteo, MAU	0030+0330+0630+0930+1230+1530+1830 wx to NKW
15959.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0723 msg
15960.0	'RFLI'	FF Fort de France, MRT	ARQ-M2 96 Bd: A: 1600 "controle de voie" to 'RFFA' (FBL)
15963.0	Y7A 62	MFA Berlin, DDR	0448-2033 ry or tfc

15965.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz
15977.0	FPP 97G	AFP Paris, F	0700-1900 E nx
15978.4	FPP 97F	AFP Paris, F	0700-1900 F nx
15980.0	CLP 18	Cub. E Dar es Slm., TZA	0838 msg (5fgs) to CLP 1
15980.3	'UWWB'	Bugul'ma Air, RU, URS	0905 msgs (5lgs) to 'UHHH' (BHA)
15992.0	4UZ	UNO Geneva, SUI	75 Bd: 0349-1635 ry or msgs + tfc
15994.3	4UNQ	UNIFIL Enn Naqoura, LBN	75 Bd: 1405 clg + tfc to 4UN
15999.9	CNM 69.1X	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
16000.0		Pakistan E Jeddah, ARS	SSB
16005.0	IDR 6	IN Rome, I	CW
16010.5	NWC	USN Exmouth, WA, AUS	SSB
16012.6	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: B: 0908 msg to 'RFQP', 1315 "controle de voie" to 'RFQP' (FKN)
16015.0	'DOR'	MFA Sofia, BUL	0709 ry, 0915 msg
16016.0	RMP	SN Kaliningrad, RU, URS	CW
16017.4	DFQ 21L1	PIAB Bonn, D	FEC-A 96 Bd: 1430+1500+1600+2200 G nx
16020.0	RHA 42	APN Moscow, RU, URS	100 Bd: 0600 A nx, 0700 F nx, 0800+0900 A nx, 1000 F nx, 1100 A nx
16022.0	NPN	USN Apra Harbour, GUM	FAX // 7894.0 kHz $
16023.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1613 msgs
16025.0	BAF 9	Beijing Meteo, CHN	FAX // 5527.0 kHz $
16031.4	RBI 75	PTT Moscow, RU, URS	ARQ-M2 96 Bd: A: 0723+0907+1315 tfc to Kabul, 1908 encrypted tfc (MAF) B: 1320 to Kabul
16032.8	RBI 75	PTT Moscow, RU, URS	ARQ-M2 96 Bd: A: 0358 to Kabul
16039.5	MKK	RAF London, G	VFT: 0030+1120+1315+1500 ryi
16040.0	RTT 40	APN Moscow, RU, URS	100 Bd: 0400+0500+0600+0700+0800 A nx, 0900+1000 F nx
16041.3	AJE	USAF Croughton, G	SSB
16050.0	RCE 54	TASS Moscow, RU, URS	0600-1800 E nx
	RCE 54	PTT Moscow, RU, URS	SSB
	7UP 5	PTT El Djaza'ir, ALG	SSB
16060.0	RFM 27	APN Moscow, RU, URS	100 Bd: 0600+1300 A nx
16065.0	ZLX 44	GPO Wellington, NZL	SSB
		RFE Holzkirchen feeder, D	ISB
16066.8	IRO 30	ANSA Rome, I	1800 E nx
16070.0	CLP 18	Cub. E Dar es Slm., TZA	0600 clg CLP 1
16075.0		APN Moscow, RU, URS	100 Bd: 0700-1200 E nx
16076.0	'RFFA'	MOD Paris, F	ARQ-E3 48 Bd: 1407 msgs to 'RFTJD' (ITF)
16085.0	RND 71	APN Moscow, RU, URS	100 Bd: 0500 R nx wtsca, 0700+0800 E nx
16086.0	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: B: 0800-1100+1657+1722 msg or "controle de voie" to 'RFFA' (DNI, REI)
16093.0	OBC	PN Callao, PRU	75 Bd: 2030 msgs to 'AIG 1001', 2138 msg (5lgs), final tfc, s. off
16103.6	LBL 1	Norw. UNIFIL Beirut, LBN	SITOR-A: 0730 tfc
16106.0	FZM 62	DIPLO Noumea, NCL	0100-1300 F nx
16107.5	HBD 20	MFA Berne, SUI	SITOR-A: 1139 tfc to HBD 42, 1237-1550 tfc
	HBD 59	Swiss E Ankara, TUR	SITOR-A: 0548+0755+1000 tfc to HBD 20
16112.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1841 msg
			CW

16112.0		Polish E Rabat, MRC	75 Bd: 1304 msgs + tfc to SNN 299
16115.0	GYA	RN London, G	FAX // 8334.0 kHz $
16117.0	6VK 317	PANA Dakar, SEN	0800-1800 E or F nx
16125.2	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 0717-1600 msgs or encrypted tfc after "KKKK..." to 'RFFA' (QPA, QPB) B: 0716-1148 msgs or encrypted tfc after "KKKK..." or "controle de voie" to 'RFFA' (QPA, QPC)
16135.0	KVM 70	Honolulu Meteo, HWA	FAX // 9982.5 kHz $
	RBI 72	APN Moscow, RU, URS	100 Bd: 0400 A nx, 0600 R nx wtsca, 0800 P nx, 0900+1000 R nx wtsca
16136.0	BZR 66	XINHUA Beijing, CHN	75 Bd: 0900-1500 E nx
16136.7		Eg. E El Djaza'ir, ALG	SITOR-A: 1527 ry, msg to Cairo
16140.0	RGW 28	TASS Moscow, RU, URS	0600-1700+2100 E nx
16142.0	'RFLI'	FF Fort de France, MRT	ARQ-M2 96 Bd: A: 1310+1537+1900 msgs to 'RFFA', 2043 encrypted tfc after "KKKK..." to 'RFFA' (FDI) B: 1228 "controle de voie", 1253+1612 msg to 'RFFA' (BSL)
16145.0	RWM 77	APN Moscow, RU, URS	100 Bd: 0400-1500 E nx
16147.7	'RFPTC'	FF N'djamena, TCD	ARQ-M2 200 Bd: A: 1923 operational msg
16148.0	MKD	RAF Akrotiri, CYP	VFT: 0434+0751+1242 ryi COMB
16150.0	9VF 205	JIJI Singapore, SNG	1330 E nx
16151.7		MFA Cairo, EGY	SITOR-A: 1128 ATU-A tfc, 1530 ATU-A msg + tfc, s. off
16155.0	'U'	Beacon Murmansk, RU, URS	CW
		APN Moscow, RU, URS	100 Bd: 0400+0500 A nx, 0700 E nx, 0800+0900 A nx
16156.5		MFA Rome, I	SITOR-A: 1300+1700 msg (5lgs), tfc, s. off
16165.2	'RFFA'	MOD Paris, F	ARQ-M2 200 Bd: A: 0617-2027 msgs or "revue de presse quotidienne" (F nx) or encrypted tfc after "KKKK..." to 'RFQP' (FDXA) B: 0617+1047 msgs (PQB)
16166.0	RIJ 75	Tashkent Met., UZ, URS	(hx 8083.0 kHz)
16171.7		Egyptian E Rome, I	SITOR-A: 1057 msg (5lgs) + ATU-A msg to Cairo SITOR-B: 1649 tfc to Cairo
16175.0	RGW 27	APN Moscow, RU, URS	100 Bd: 0700-1200 F nx
16180.0	NAM	USN Norfolk, VA, USA	CW
16190.0	RGW 26	TASS Moscow, RU, URS	0600-1645 F nx, 1700 A nx
16193.2	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 1834 msg to 'RFFA'
16194.0	NBA	USN Balboa, PNR	75 Bd: 1305-1823 ry or msgs to CCQ or CXR
16199.0	Y7A 63	MFA Berlin, DDR	0448-1757 ry or tfc
16203.7		MFA Cairo, EGY	SITOR-A: 0620 ATU-A msg (press review)
16205.0	CLP 1	MFA Habana, CUB	0435 msg + encrypted tfc after "ZZZ..." to Addis Ababa
16211.0		MFA Jakarta, INS	CW
16215.0	RCF 47	PTT Moscow, RU, URS	SSB
16220.0	RBI 74	APN Moscow, RU, URS	100 Bd: 0600+0700+0800+0900 A nx
	RBI 74	PTT Moscow, RU, URS	ARQ-M2 96 Bd: B: 1428 to Habana

16224.0	**3MA 35**	**CNA Taipei, TAI**	**0230-0330+0930-1030+1330-1500 E nx**
16225.0	**Y2V 26**	**ADN Berlin, DDR**	**1600 E nx**
16226.5	**'RFFXI'**	**FF Bangui, CAF**	**ARQ-E 72 Bd: 1630+1705 msg to 'RFFX' (XZI)**
16230.0	JAQ 66	KYODO Tokyo, J	FAX 60/576: 0700-0943+1409-1820+2344 J nx (text) or weather charts with E text
	'P6Z'	**MFA Paris, F**	**FEC-A 144 Bd: 1130 tfc**
	'Z4D'	**FF Nouakchott, MTN**	**FEC-A 144 Bd: 1240 msg (5lgs) + msg + final tfc to 'RFGW', s. off; 1645 encrypted msg after "KKKK..." to 'RFGW'**
16233.0	**'RUTA'**	**USN Rota, E**	**75 Bd: 1102 foxes**
16234.3	**4UZ**	**UNO Geneva, SUI**	**75 Bd: 0609 msgs to 4UF, ry; 0938 clg 4UF**
16235.2	**YAB 9**	**PTT Kabul, AFG**	**ARQ-M2 96 Bd: A: 0713 Bakhtar clg TASS, 1050 to Moscow**
16236.6	**YAB 9**	**PTT Kabul, AFG**	**ARQ-M2 96 Bd: B: 0407+0623 to Moscow**
16240.0	FUM	FN Papeete, Tahiti, OCE	CW
16243.0	**Y7A 64**	**MFA Berlin, DDR**	**0430-1516 ry or tfc**
			100 Bd: 0440 tfc
			CW
16245.0	5ST	ASECNA Antananarivo, MDG	CW
	5YD	Nairobi Air, KEN	CW
	'DJR'	Jibuti Air, DJI	CW
16250.0	**RME 22**	**APN Moscow, RU, URS**	**100 Bd: 0400-1000 E nx**
	RME 22	**TASS Moscow, RU, URS**	**1300 Armenian nx waa**
	RME 22	R Moscow feeder, RU, URS	ISB
16260.0	**REM 57**	**TASS Moscow, RU, URS**	**0600-1900 F nx**
16265.0	**SDK 3**	**ST Stockholm, S**	**SITOR-A: 0832-2218 tts**
	9VF 206	**ANSA Singapore, SNG**	**1700 E nx**
16268.0	**Y7A 65**	**MFA Berlin, DDR**	**0636-0817+1538 tfc**
16270.0	9VF 207	KYODO Singapore, SNG	FAX // 16230.0 kHz
16275.3	ZEN 33	REUTER	FAX // 4474.0 kHz
		Victoria Island, HKG	CW
16280.0	**MKD**	**RAF Akrotiri, CYP**	**VFT: 24 h ryi**
			COMB
	RKD 41	PTT Moscow, RU, URS	SSB
16291.0	**'RFFX'**	**FF Versailles, F**	**ARQ-E 72 Bd: 1708 msg to 'RFFXL' (XXL)**
16295.0	**MKK**	**RAF London, G**	**VFT: 1535 ryi**
			VFT: ARQ-M2 96 Bd: A: 1319+1533 encrypted tfc
			COMB
16298.5		many USN MARS stations	SSB
16300.0	**RMD 59**	**APN Moscow, RU, URS**	**100 Bd: 0600 A nx, 0900+1000+1100+1200 P nx**
	Z2F 1	**Yugoslav E Harare, ZWE**	**FEC-A 144 Bd: 0630 encrypted msgs to 'DFZG'**
16302.0	**'DFZG'**	**MFA Belgrade, YUG**	**75 Bd: 0630 ry, 1500 msg (SC nx), 1503 ry, 1600 msg (E nx)**
16305.0	**'BRTH'**	**French E Beirut, LBN**	**FEC-A 192 Bd: 1920 msgs (5lgs) to 'P6Z' (BRTX)**
16308.0	**Y7A 66**	**MFA Berlin, DDR**	**0643-1600 ry or tfc**
16318.7		**MFA Cairo, EGY**	**SITOR-A: 0759+0820+1028+1532 A msg**
16323.0	OVG 16	DM Frederikshavn, DNK	CW
	'RFTJD'	**FF Douala, CME**	**ARQ-E3 48 Bd: 1741 msg to 'RFTJ' (JDJ)**

16325.0	**Y2V 23**	**ADN Berlin, DDR**	**0600 E nx, 0800 A nx, 1000+1100 E nx, 1200 A nx, 1400+1500 E nx, 1600 A nx, 1700 E nx, 2000 A nx**
16329.0		**Yug. E Ottawa, ONT, CAN**	**75 Bd: 1623 msgs to 'DFZG'**
16330.0	RKA 75	R Moscow feeder, RU, URS	SSB
16339.5	**'CJL'**	**MFA Nicosia, CYP**	**100 Bd: 0656 s. on with ry, tfc, into - below - ; 1443 ry** **ARQ-E 96 Bd: 0657 ry, tfc, msgs (51gs), 0720 final tfc, s. off**
16340.0	RDN 25	R Moscow feeder, RU, URS	SSB
16340.1	ZKLF	Auckland Meteo, NZL	FAX // 5807.0 kHz $ CW
16343.0	**YZI 4**	**TANJUG Belgrade, YUG**	**0400+0700+0800+0900+1000+1300 E nx, 1400 F nx**
16345.0	**'DOR'**	**MFA Sofia, BUL**	**75 Bd: 1252 msg**
16346.7		**MFA Cairo, EGY**	**SITOR-A: 0705+0728+1658 ATU-A tfc**
16348.0	**CLN 530**	**PL Habana, CUB**	**1200-2300 E nx**
16355.0	**'DOR'**	**MFA Sofia, BUL**	**75 Bd: 0837 msg + msg (5fgs), 0938 msg**
16356.0	**Y7B 77**	**GDR E Athens, GRC**	**100 Bd: 0630 ry, tfc, msgs** CW
16358.0	Y7F 59	GDR E Tripoli, LBY	CW

16360.0 - 17410.0 MARITIME MOBILE < 500A 500B 520B 529A 532 >

16363.0	KKN 50	MFA Washington, DC, USA	CW
16370.0	GKX 61	Portishead Air, G	SSB
	OMZ	**MFA Prague, TCH**	**75 Bd: 0733 msg (5fgs), 0825+1107 msgs, 1509 msg (5fgs)**
	RSF 27	R Moscow feeder, RU, URS	SSB
16375.0	**8WB 4**	**Indian E Tehran, IRN**	**0725 msg to Delhi**
16376.0	RCV	SN Moscow, RU, URS	CW
16378.5	**8WD 4**	**MFA Delhi, IND**	**1103 clg + tfc to 8WB 1**
16383.0	**'VNA 30'**	**VNA Hanoi, VTN**	**1200+1300 F nx**
		French E Amman, JOR	**FEC-A 192 Bd: 1450 msgs to Paris**
		French E Washington, DC, USA	**FEC-A 192 Bd: 0940 msg (51gs) to Paris**
		French E San'a, YEM	**FEC-A 192 Bd: 1145 msgs to Paris**
16385.0		MFA Islamabad, PAK	SSB
16386.7		**MFA Islamabad, PAK**	**SITOR-A: 0936 tfc**
16394.0	**IDR**	**IN Rome, I**	**0704 tfc to 'BDTB'**
16395.0	**OMZ**	**MFA Prague, TCH**	**75 Bd: 0821-1400 msgs to KNY 23** CW
16397.5	**FTQ 39**	**DIPLO Paris, F**	**0900-1800+2100+2200 F nx, 2300 S nx**
16403.0	**Y2V 57**	**ADN Berlin, DDR**	**0600-0750+1000-1150+1400-1550 F nx, 2000 S nx**
16407.0	**OZU 25**	**MFA Copenhagen, DNK**	**SITOR-A: 1330 tfc**
16410.0	NAM	USN Norfolk, VA, USA	FAX // 3357.0 kHz $
16417.0	**Y2V 26**	**ADN Berlin, DDR**	**0900-1500 E nx**
16420.0	*worldwide*	*distress and safety freq.*	*SSB*
16435.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz
16453.5	**HGX 21**	**MFA Budapest, HNG**	**DUP-ARQ: 1832 idling**
16457.5	NMO	USCG Honolulu, HWA	CW
16458.0	KRH 50	USE London, G	CW
16460.0		ship stations, ch 1601	SSB QSX 17232.9 kHz
16463.1		ship stations, ch 1602	SSB QSX 17236.0 kHz
16466.2		ship stations, ch 1603	SSB QSX 17239.1 kHz

16469.3		ship stations, ch 1604	SSB	QSX 17242.2 kHz
16472.4		ship stations, ch 1605	SSB	QSX 17245.3 kHz
16475.5		ship stations, ch 1606	SSB	QSX 17248.4 kHz
16478.6		ship stations, ch 1607	SSB	QSX 17251.5 kHz
16481.7		ship stations, ch 1608	SSB	QSX 17254.6 kHz
16484.8		ship stations, ch 1609	SSB	QSX 17257.7 kHz
16487.9		ship stations, ch 1610	SSB	QSX 17260.8 kHz
16491.0		ship stations, ch 1611	SSB	QSX 17263.9 kHz
16494.1		ship stations, ch 1612	SSB	QSX 17267.0 kHz
16497.2		ship stations, ch 1613	SSB	QSX 17270.1 kHz
16500.3		ship stations, ch 1614	SSB	QSX 17273.2 kHz
16501.0	**BXM 50**	**Chin. E Kl. Lumpur, MLA**	**100 Bd: 1357 ry**	
16503.4		ship stations, ch 1615	SSB	QSX 17276.3 kHz
16506.5		ship stations, ch 1616	SSB	QSX 17279.4 kHz
16509.6		ship stations, ch 1617	SSB	QSX 17282.5 kHz
16512.7		ship stations, ch 1618	SSB	QSX 17285.6 kHz
16515.8		ship stations, ch 1619	SSB	QSX 17288.7 kHz
16518.9		ship stations, ch 1620	SSB	QSX 17291.8 kHz
	WCM	Withamsville R, OH, USA		
16522.0		ship stations, ch 1621 *(worldwide calling frequency)*	SSB	QSX 17294.9 kHz
16525.1		ship stations, ch 1622	SSB	QSX 17298.0 kHz
16528.2		ship stations, ch 1623	SSB	QSX 17301.1 kHz
16531.3		ship stations, ch 1624	SSB	QSX 17304.2 kHz
16534.4		ship stations, ch 1625	SSB	QSX 17307.3 kHz
16537.5		ship stations, ch 1626	SSB	QSX 17310.4 kHz
16540.6		ship stations, ch 1627	SSB	QSX 17313.5 kHz
16543.7		ship stations, ch 1628	SSB	QSX 17316.6 kHz
16546.8		ship stations, ch 1629	SSB	QSX 17319.7 kHz
16549.9		ship stations, ch 1630	SSB	QSX 17322.8 kHz
16553.0		ship stations, ch 1631	SSB	QSX 17325.9 kHz
16556.1		ship stations, ch 1632	SSB	QSX 17329.0 kHz
16558.0		**PTT Tirana, ALB**	**1632 to Beijing**	
16559.2		ship stations, ch 1633	SSB	QSX 17332.1 kHz
16562.3		ship stations, ch 1634	SSB	QSX 17335.2 kHz
16565.0		Roseau Port R, DMA	SSB	
16565.4		ship stations, ch 1635	SSB	QSX 17338.3 kHz
16568.5		ship stations, ch 1636	SSB	QSX 17341.4 kHz
16571.6		ship stations, ch 1637	SSB	QSX 17344.5 kHz
16572.0	HOR 24	REFPA Panama R, PNR	SSB	
16574.7		ship stations, ch 1638	SSB	QSX 17347.6 kHz
16577.8		ship stations, ch 1639	SSB	QSX 17350.7 kHz
16580.9		ship stations, ch 1640	SSB	QSX 17353.8 kHz
16584.0		ship stations, ch 1641	SSB	QSX 17356.9 kHz
16587.1	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
16590.2	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
16593.3	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
16606.0	VHP	RAN Canberra, ACT, AUS	CW	
16614.5	**Y5M**	**Rügen R, DDR**	**1300 G nx**	
16651.7		**Egyptian E Addis Ababa, ETH**	**SITOR-A: 1252 msgs (5lgs) + ATU-A tfc to Cairo**	
16660.5		**ship stations, series 1**	**QSX 17197.5 kHz**	
16661.0		**ship stations, series 2**	**QSX 17198.0 kHz**	
16661.5		**ship stations, series 3**	**QSX 17198.5 kHz**	
16662.0		**ship stations, series 4**	**QSX 17199.0 kHz**	
16662.5		**ship stations, series 5**	**QSX 17199.5 kHz**	
16663.0		**ship stations, series 6**	**QSX 17200.0 kHz**	
16663.5		**ship stations, series 7**	**QSX 17200.5 kHz**	
16664.0		**ship stations, series 8**	**QSX 17201.0 kHz**	

16664.5	ship stations, series 9	QSX 17201.5 kHz
16665.0	ship stations, series 10	QSX 17202.0 kHz
16665.5	ship stations, series 11	QSX 17202.5 kHz
16666.0	ship stations, series 12	QSX 17203.0 kHz
16666.5	ship stations, series 13	QSX 17203.5 kHz
16667.0	ship stations, series 14	QSX 17204.0 kHz
16667.5	ship stations, series 15	QSX 17204.5 kHz
16668.0	ship stations, series 16	QSX 17205.0 kHz
16668.5	ship stations, series 17	QSX 17205.5 kHz
16669.0	ship stations, series 18	QSX 17206.0 kHz
16669.5	ship stations, series 19	QSX 17206.5 kHz
16670.0	ship stations, series 20	QSX 17207.0 kHz
16670.5	ship stations, series 21	QSX 17207.5 kHz
16671.0	ship stations, series 22	QSX 17208.0 kHz
16671.5	ship stations, series 23	QSX 17208.5 kHz
16672.0	ship stations, series 24	QSX 17209.0 kHz
16672.5	ship stations, series 25	QSX 17209.5 kHz
16673.0	ship stations, series 26	QSX 17210.0 kHz
16673.5	ship stations, series 27	QSX 17210.5 kHz
16674.0	ship stations, series 28	QSX 17211.0 kHz
16674.5	ship stations, series 29	QSX 17211.5 kHz
16675.0	ship stations, series 30	QSX 17212.0 kHz
16675.5	ship stations, series 31	QSX 17212.5 kHz
16676.0	ship stations, series 32	QSX 17213.0 kHz
16676.5	ship stations, series 33	QSX 17213.5 kHz
16677.0	ship stations, series 34	QSX 17214.0 kHz
16677.5	ship stations, series 35	QSX 17214.5 kHz
16678.0	ship stations, series 36	QSX 17215.0 kHz
16678.5	ship stations, series 37	QSX 17215.5 kHz
16679.0	ship stations, series 38	QSX 17216.0 kHz
	ship stations	QSX 17427.5 kHz (OFA)
16679.5	ship stations, series 39	QSX 17216.5 kHz
16680.0	ship stations, series 40	QSX 17217.0 kHz
16680.5	ship stations, series 41	QSX 17217.5 kHz
16681.0	ship stations, series 42	QSX 17218.0 kHz
16681.5	ship stations, series 43	QSX 17218.5 kHz
16682.0	ship stations, series 44	QSX 17219.0 kHz
16682.5	ship stations, series 45	QSX 17219.5 kHz
16683.0	ship stations, series 46	QSX 17220.0 kHz
16683.5	ship stations, series 47	QSX 17220.5 kHz
16684.0	ship stations, series 48	QSX 17221.0 kHz
16684.5	ship stations, series 49	QSX 17221.5 kHz
16685.0	ship stations, series 50	QSX 17222.0 kHz
16685.5	ship stations, series 51	QSX 17222.5 kHz
16686.0	ship stations, series 52	QSX 17223.0 kHz
16686.5	ship stations, series 53	QSX 17223.5 kHz
16687.0	ship stations, series 54	QSX 17224.0 kHz
16687.5	ship stations, series 55	QSX 17224.5 kHz
16688.0	ship stations, series 56	QSX 17225.0 kHz
16688.5	ship stations, series 57	QSX 17225.5 kHz
16689.0	ship stations, series 58	QSX 17226.0 kHz
16689.5	ship stations, series 59	QSX 17226.5 kHz
16690.0	ship stations, series 60	QSX 17227.0 kHz
16690.5	ship stations, series 61	QSX 17227.5 kHz
16691.0	ship stations, series 62	QSX 17228.0 kHz
16691.5	ship stations, series 63	QSX 17228.5 kHz
16692.0	ship stations, series 64	QSX 17229.0 kHz
16692.5	ship stations, series 65	QSX 17229.5 kHz
16693.0	ship stations, series 66	QSX 17230.0 kHz
16693.5	ship stations, series 67	QSX 17230.5 kHz
16694.0	ship stations, series 68	QSX 17231.0 kHz
16694.5	ship stations, series 69	QSX 17231.5 kHz

16695.0		**ship stations, non-paired**	
	worldwide	***NBDPT distr. and safety f.***	
		ship stations	**QSX 16882.5 kHz (GKS 6)**
	VTP	IN Vishakhapatnam, IND	CW
16695.5		**ship stations, non-paired**	
16696.0		**ship stations, non-paired**	
16696.5		**ship stations, non-paired**	
16697.0		**ship stations, non-paired**	
16697.5		**ship stations, non-paired**	
16698.0		**ship stations, non-paired**	
16698.5		**ship stations, non-paired**	
16699.0		**ship stations, non-paired**	
16699.5		**ship stations, non-paired**	
16700.0		**ship stations, non-paired**	
16700.5		**ship stations, non-paired**	
		ship stations	**QSX 17024.0 kHz (SAB 83)**
16701.0		**ship stations, non-paired**	
16701.5		**ship stations, non-paired**	
		ship stations	**QSX 18993.5 kHz (SPW)**
16702.0		**ship stations, non-paired**	
16702.5		**ship stations, non-paired**	
16703.0		**ship stations, non-paired**	
16703.5		**ship stations, non-paired**	
16704.0		**ship stations, non-paired**	
16704.5		**ship stations, non-paired**	
16705.0		**ship stations, non-paired**	
		ship stations	**QSX 17009.0 kHz (SAB 84)**
16705.5		**ship stations, non-paired**	
16720.8		ship stations calling, ch 1	CW
16722.4		ship stations calling, ch 2	CW
16724.0		ship stations calling, ch 3	CW
16725.6		ship stations calling, ch 4	CW
16727.2		ship stations calling, ch 5	CW
16728.8		ship stations calling, ch 6	CW
16730.4		ship stations calling, ch 7	CW
16732.0		ship stations calling, ch 8	CW
16733.6		ship stations calling, ch 9	CW
16735.2		ship stations calling, ch 10	CW
16736.8		ship stations calling, ch 11	CW
16738.4		ship stations calling, ch 12	CW
16740.0		ship stations calling, ch 13	CW
16741.6		ship stations calling, ch 14	CW
16743.2		ship stations calling, ch 15	CW
16744.8		ship stations calling, ch 16	CW
16746.4		ship stations calling, ch 17	CW
16748.0		ship stations calling, ch 18	CW
16750.5	*worldwide*	***ship stations DSC freq.***	
16751.0	*worldwide*	***ship stations DSC freq.***	
16784.5		**ship stations**	**QSX 19012.0 kHz (OST)**
16804.5	*worldwide*	***DSC distress and safety f.***	
16806.5	*worldwide*	***NBDPT MSI frequency***	
16847.0		**UNID It. dipl. st. (689)**	**ARQ-E 96 Bd: 1103 I tfc**
16851.0	CBV	DGTMMM Valparaiso R, CHL	CW
16860.8	HZG	Dammam R, ARS	CW
16861.5	5OW	Lagos R, NIG	CW
16861.7	PKB	Belawan R, INS	CW
	PKD	Surabaya R, INS	CW
	PKX	Jakarta R, INS	CW
	SPE 82	Szczecin R, POL	CW
	WNU	Slidell R, LA, USA	CW
16862.5	XSV	Tianjin R, CHN	CW
16863.3	HEB	Berne R, SUI	CW

16863.5	CLS	Habana F R, CUB	CW
16865.0	UJY	Kaliningrad R, RU, URS	CW
16866.0	LZL 6	Bourgas R, BUL	CW
16866.5	**GYA**	**RN London, G**	**75 Bd: 0457+0512+0628 test**
16867.5	UXN	Arkhangelsk R, RU, URS	CW
16868.0	A4M	Muscat R, OMA	CW
16868.5	9VG 53	Singapore R, SNG	CW
16869.0	HPP	Panama R, PNR	CW
16870.0	**UJY**	**Kaliningrad R, RU, URS**	**0800-1441 R ry or tts wtsca** **100 Bd: 1355 R tts wtsca**
16870.4	DZJ	Bulacan R, PHL	CW
16870.5	LSA	Boca R, ARG	CW
16871.3	CWA	Cerrito R, URG	CW
	KLC	Galveston R, TX, USA	CW
16873.0	TIM	Limon R, CTR	CW
16874.0	ZSD 52	Durban R, AFS	CW
16874.4	ZLO 6	RNZN Waiouru, NZL	CW
16876.0	FUG	FN La Regine, F	CW
16877.5	JDB	Nagasaki R, J	CW
16878.0	**URB 2**	**Klaipeda R, LI, URS**	**0627-1823 R tts wtsca** CW
16878.5	DZJ	Bulacan R, PHL	CW
16879.0	ICB	Genova R, I	CW
16880.0	A7D	Doha R, QAT	CW
	YIR	Basrah Control R, IRQ	CW
16880.9	NMC	USCG San Franc., CA, USA	CW
16881.0	ICB	Genova R, I	CW
16882.5	***GKS 6***	***Portishead R, G***	***scheduled; QSX 16695.0 kHz***
16883.0	JOU	Nagasaki R, J	CW
16884.0	5BA	Nicosia R, CYP	CW
16884.5	XSQ 7	Guangzhou R, CHN	CW
16885.7	**UJY**	**Kaliningrad R, RU, URS**	**0721-1420 R tts wtsca**
16886.0	PPL	Belem R, B	CW
16887.5	SPH 81	Gdynia R, POL	CW
16889.0	PPJ	Juncao R, B	CW
16890.5	**UFN**	**Novorossiysk R, RU, URS**	**1819 R tts wtsca** CW
16890.8	ZSC 39	Capetown R, AFS	CW
16892.0	UQK	Riga R, LA, URS	CW
16892.9	Y5M	Rügen R, DDR	CW
16893.5	JFC	Misaki F R, J	CW
16895.5	IAR 7	Rome R, I	CW
16897.5	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	OXZ 82	Lyngby R, DNK	CW
16902.0	PCH 60	Scheveningen R, NLD	CW
16902.5	DYP	Cebu R, PHL	CW
	PW.	many BN stations, B	CW
16903.0	SVM 6	Athens R, GRC	CW
16904.9	CW./..	many UN stations, URG	CW
	WCC	Chatham R, MA, USA	CW
16905.0	FUV	FN Jibuti, DJI	CW
16906.0	YIR	Basrah Control R, IRQ	CW
16907.3	Y5M	Rügen R, DDR	CW
16907.5	JFA	Matsudo F R, J	FAX 120/576: 0030 chart
16908.0	PPO	Olinda R, B	CW
16909.7	TFA	Reykjavik R, ISL	CW
16910.0	HLJ	Soul R, KOR	CW
16911.0	JNA	JN Tokyo, J	CW
16912.0	SUH 5	Alexandria R, EGY	CW
16912.5	UKA	Vladivostok R, SE, URS	CW
16914.5	CBV	DGTMMM Valparaiso R, CHL	CW

16914.5	SPH 84	Gdynia R, POL	CW
	XDA	Mexico City R, MEX	CW
16915.0	FUX	FN Le Port, REU	CW
16916.5	WSC	Tuckerton R, NJ, USA	CW
	XSG 8	Shanghai R, CHN	CW
16917.0	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
16918.0	LZW 6	Varna R, BUL	CW
	PPJ	Juncao R, B	CW
16918.6	VIX 6	RAN Canberra, ACT, AUS	CW
16918.8	GKJ 6	Portishead R, G	CW
16920.0	OXZ 81	Lyngby R, DNK	CW
	9GX	Tema R, GHA	CW
16921.0	CLS	Habana F R, CUB	CW
16922.0	UDK 2	Murmansk R, RU, URS	CW
	'RBSL'	**IN Bombay, IND**	**0312+0956+1325 ry**
16923.6	OFJ 7	Helsinki R, FNL	CW
	5OZ 23	Port Harcourt R, NIG	CW
16925.0	URL	Sevastopol', R, UK, URS	CW
16925.6	L2C	Buenos Aires R, ARG	CW
	L2S	Mar del Plata R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
16926.5	CFH	CF Halifax, NS, CAN	CW
16927.0	**UJY**	**Kaliningrad R, RU, URS**	**1532+1622 ry, 1610-1652 R navigational warnings wtsca** CW
16927.5	XFE	Ensenada R, MEX	CW
16928.4	LFX	Rogaland R, NOR	CW
16930.0	OSN 416	BN Oostende, BEL	CW
16930.4	5RS	Toamasina R, MDG	CW
16930.8	ELZ	Cape Palmas R, LBR	CW
16932.0	7TA 10	El Djaza'ir R, ALG	CW
	7TF	Skikda R, ALG	CW
16933.0	OBY 2	Paita R, PRU	CW
16933.2	JOS	Nagasaki R, J	CW
	WCC	Chatham R, MA, USA	CW
16935.0	A7D	Doha R, QAT	CW
16935.5	XFA	Acapulco R, MEX	CW
16936.0	RIT	SN Vaygach, RU, URS	CW
16938.0	HAR	Budapest R, HNG	CW
	VTG 8	IN Bombay, IND	CW
16938.6	GYA	RN London, G	FAX // 2813.6 kHz $ CW
16939.8	KLC	Galveston R, TX, USA	CW
16940.5	XSW	Kaohsiung R, TAI	CW
16940.8	LST	YPF Buenos Aires R, ARG	CW
16942.0	RCV	SN Moscow, RU, URS	CW
	5OZ 23	Port Harcourt R, NIG	CW
16942.5	XDA	Mexico City R, MEX	CW
16942.8	EDF 5	Aranjuez R, E	CW
	YUR 7	Rijeka R, YUG	CW
16944.0	LZL 6	Bourgas R, BUL	CW
16944.5	CFH	CF Halifax, NS, CAN	CW
16945.0	XVG 7	Hai Phong R, VTN	CW
16947.6	CBV	DGTMMM Valparaiso R, CHL	CW
	FFT 8	Saint Lys R, F	CW
	VIP 5	Perth R, WA, AUS	CW
	VRT	Hamilton R, BER	CW
	6VA 7	Dakar R, SEN	CW
	6YI	Kingston R, JMC	CW
	8PO	Bridgetown R, BRB	CW
	8RB	Demerara R, GUY	CW

16947.8	TUA 9	Abidjan R, CTI	CW
16948.0	HCG	Guayaquil R, EQA	CW
	RCV	SN Moscow, RU, URS	CW
16948.5	VCS	CCG Halifax, NS, CAN	CW
16950.0	PWZ	BN Rio de Janeiro, B	CW
	XSQ 4	Guangzhou R, CHN	CW
	9MB 6	MN Georgetown, Pin.I., MLA	CW
16951.0	YKI	SCOTC Tartus R, SYR	CW
16951.5	6WW	FN Dakar, SEN	CW
16952.0	DUF	Manila R, PHL	CW
16952.4	LFT	Rogaland R, NOR	CW
16953.0	HZG	Dammam R, ARS	CW
16954.4	GKC 6	Portishead R, G	CW
16955.0	**UDH**	**Riga R, LA, URS**	**1539+1550+2007+2142 R tts wtsca**
	UQK	Riga R, LA, URS	CW
16956.0	CBV	DGTMMM Valparaiso R, CHL	CW
	PZN 26	Paramaribo R, SUR	CW
16958.0	FUJ	FN Noumea, NCL	CW
	ULY	Aleksandr.-S. R, FE, URS	CW
16959.2	CUL 22	Lisbon R, POR	CW
16960.0	CKN	CF Vancouver, BC, CAN	CW
	HZY	ARAMCO Ras Tanura R, ARS	CW
	PWB	PN Belem, B	CW
	PWF	PN Salvador, B	CW
	PWN	PN Natal, B	CW
	UMV	Murmansk R, RU, URS	CW
16961.0	CLA 40	Habana R, CUB	CW
16961.5	FUF	FN Fort de France, MRT	CW
16962.5	DXF	Davao R, PHL	CW
16963.0	**UJY**	**Kaliningrad R, RU, URS**	**0718-2141 ry or R tts wtsca**
	5AL	ARGOIL Tobruk R, LBY	CW
16965.0	UAI 3	Nakhodka R, SE, URS	CW
	Y5M	Rügen R, DDR	CW
16966.0	SVI 6	Athens R, GRC	CW
	S9M	Sao Tome R, STP	CW
16966.5	9VG 58	Singapore R, SNG	CW
16968.0	DUS	Manila R, PHL	CW
	PPL	Belem R, B	CW
16968.5	WLO	Mobile R, AL, USA	CW
16968.8	XSJ	Zhanjiang R, CHN	CW
16970.0	ICB	Genova R, I	CW
	OBQ 5	Iquitos R, PRU	CW
	UQB	Kholmsk R, FE, URS	CW
	URD	**Leningrad R, RU, URS**	**1115+1427+1452 R tts wtsca**
16971.0	JJC	Tokyo R, J	FAX // 4316.0 kHz
16972.0	WCC	Chatham R, MA, USA	CW
16973.5	WCC	Chatham R, MA, USA	CW
16974.0	SPE 81	Szczecin R, POL	CW
16974.6	GKD 6	Portishead R, G	CW
16975.0	VWM	Madras R, IND	CW
16976.0	DUN	PN Manila, PHL	CW
	NMN	USCG Portsmouth, VA, USA	CW
16977.0	OMP 6	Prague R, TCH	CW
16978.4	3BM 6	Port Louis R, MAU	CW
16980.0	**UNQ**	**Novorossiysk R, RU, URS**	**1336+1410+2007 R tts wtsca**
			CW
16980.4	DAM	Norddeich R, D	CW
16981.5	SVG 6	Athens R, GRC	CW
16983.0	ELC	Monrovia R, LBR	CW
16983.2	EQZ	IORC Abadan R, IRN	CW
	NMN	USCG Portsmouth, VA, USA	CW
16984.0	PPR	Rio de Janeiro R, B	CW

16986.0	CTP	NATO Lisbon, POR	CW
16987.0	VPS 79	Victoria Island R, HKG	CW
16987.2	GYU	RN Gibraltar, GIB	CW
16988.8	**GYU**	**RN Gibraltar, GIB**	**75 Bd: 0927+1248+1449 foxes**
16990.0	HLO	Soul R, KOR	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
16991.0	PPR	Rio de Janeiro R, B	CW
16992.0	DUW	Manila R, PHL	CW
16992.8	UAT	Moscow R, RU, URS	CW
16993.5	UBN	Zhdanov R, UK, URS	CW
16995.0	SVF 6	Athens R, GRC	CW
	9KK 22	Safat R, KWT	CW
16996.0	CLJ	Habana R, CUB	CW
16997.0	UDH	Riga R, LA, URS	CW
16997.6	WLO	Mobile R, AL, USA	CW
16998.5	JDC	Choshi R, J	CW
17000.0	Y5M	Rügen R, DDR	CW
17000.5	UQA 4	Murmansk R, RU, URS	CW
17002.0	PPL	Belem R, B	CW
17002.4	CBV	DGTMMM Valparaiso R, CHL	CW
	XSG 29	Shanghai R, CHN	CW
17002.5	**NMA**	**USCG Miami, FL, USA**	**75 Bd: 1535 tts**
17004.0	HKB	Barranquilla R, CLM	CW
17004.4	ZRH 6	SAN Capetown, AFS	CW
17005.0	IAR 37	Rome R, I	CW
17006.0	ZRQ 6	SAN Capetown, AFS	CW
17007.2	PCH 61	Scheveningen R, NLD	CW
17007.5	KLB	Seattle R, WA, USA	CW
17008.8	TAH	Istanbul R, TUR	CW
17009.0	*SAB 84*	*Goeteborg R, S*	*scheduled; QSX 16705.0 kHz*
17010.0	PPO	Olinda R, B	CW
	URD	**Leningrad R, RU, URS**	**1345 R tts wtsca**
17011.0	XSX	Keelung R, TAI	CW
17012.0	PPJ	Juncao R, B	CW
17013.0	5BA	Nicosia R, CYP	CW
17014.0	UEK	Feodosiya R, UK, URS	CW
17015.0	OBF 4	Mollendo R, PRU	CW
	UJQ	**Kiyev R, UK, URS**	**1345 R tts wtsca** CW
17015.5	'D'	Beacon Odessa, UK, URS	CW
17015.7	'S'	Beacon Arkhangelsk, RU, URS	CW
17016.0	SPH 82	Gdynia R, POL	CW
	'C'	Beacon Moscow, RU, URS	CW
17016.2	'P'	Beacon Kaliningrad, RU, URS	CW
17016.5	KPH	San Francisco R, CA, USA	CW
	'M'	Beacon Magadan, FE, URS	CW
17016.8	KPH	San Francisco R, CA, USA	CW
17017.0	'F'	Beacon Vladivostok, SE, URS	CW
17017.1	OST 6	Oostende R, BEL	CW
17018.0	EBA	SN Madrid, E	CW
	ZSC 44	Capetown R, AFS	CW
	'O'	Beacon Moscow, RU, URS	CW
17020.0	**UDK 2**	**Murmansk R, RU, URS**	**1432-2211 R tts wtsca** CW
17021.6	TAH	Istanbul R, TUR	CW
	WLO	**Mobile R, AL, USA**	**SITOR-B: H+35 tfc list, wx** CW
17023.0	CLJ	Habana R, CUB	CW
	PPR	Rio de Janeiro R, B	CW
17024.0	DZY 7	Manila R, PHL	CW
	OMP 61	Prague R, TCH	CW

17024.0	**SAB 83**	**Goeteborg R, S**	**SITOR-A: 0508-2118 tts; QSX 16700.5 kHz** **SITOR-B: 0500+1700 Swedish nx**
17025.0	UPB	Provideniya R, FE, URS	CW
17026.0	KFS	San Francisco R, CA, USA	CW
17027.0	FFL 8	Saint Lys R, F	CW
17027.5	HPP	Panama R, PNR	CW
17030.0	XSG	Shanghai R, CHN	CW
	3SA	CN Shanghai, CHN	CW
	3SB	CN Datong, CHN	CW
17030.4	GYC 6	RN London, G	CW
17030.6	**GYA**	**RN London, G**	**75 Bd: 0509-2245 test**
17031.0	9VG 28	Singapore R, SNG	CW
17032.0	SXE	HCG Elevsis, GRC	CW
17034.0	**GYU**	**RN Gibraltar, GIB**	**75 Bd: 1130 clg MTT**
	VWB	Bombay R, IND	CW
17035.0	TCR	TURBAN Istanbul R, TUR	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
17035.4	XSW	Kaohsiung R, TAI	CW
17036.0	PWN	BN Natal, B	CW
	UXN	**Arkhangelsk R, RU, URS**	**0901-1340 R ry or tts wtsca**
17037.0	YQI 6	Constanta R, ROU	CW
17038.0	WNU	Slidell R, LA, USA	CW
17038.5	**URL**	**Sevastopol' R, UK, URS**	**0807-1548 R tts wtsca**
			CW
17039.0	CBV	DGTMMM Valparaiso R, CHL	CW
17040.8	FFS 8	Saint Lys R, F	CW
	FJA 26	Papeete R, Tahiti, OCE	CW
17043.2	JCU	Choshi R, J	CW
17045.0	ROT	SN Moscow, RU, URS	CW
17045.6	HKC	Buenaventura R, CLM	CW
	LPD 46	General Pacheco R, ARG	CW
	YUR 8	Rijeka R, YUG	CW
	4PB	Colombo R, SLK	CW
	9MG 11	Georgetown R, Pin. I., MLA	CW
17047.0	CLS	Habana F R, CUB	CW
17048.0	DAF	Norddeich R, D	CW
	DZW	Manila R, PHL	CW
17049.0	**UFB**	**Odessa R, UK, URS**	**1213+1421 R tts wtsca**
			CW
17050.0	URB 2	Klaipeda R, LI, URS	CW
17050.4	ASK	Karachi R, PAK	CW
17050.5	4XZ	IN Haifa, ISR	CW
17052.0	**UFB**	**Odessa R, UK, URS**	**1415 R tts wtsca**
			CW
17052.5	JNA	JN Tokyo, J	CW
17053.0	XSX	Keelung R, TAI	CW
17055.0	LZW 6	Varna R, BUL	CW
17056.7	**CTV 7**	**PN Lisbon, POR**	**1200+1800 wx**
			CW
17057.2	SAB 8	Goeteborg R, S	CW
17060.0	**NGR**	**USN Kato Soli, GRC**	**VFT: 75 Bd: 0506 E nx**
	NWC	USN Exmouth, WA, AUS	FAX // 3379.5 kHz *
	PW.	many BN stations, B	CW
	UKK 3	Nakhodka R, SE, URS	CW
	4XO	Haifa R, ISR	CW
17062.0	HZG	Dammam R, ARS	CW
17063.0	UFB	Odessa R, UK, URS	CW
17064.0	SPH 83	Gdynia R, POL	CW
17064.8	EDZ 6	Aranjuez R, E	CW
17065.0	FUE	FN Brest, F	CW
	UBF 2	Leningrad R, RU, URS	CW

17066.0	UAT	Moscow R, RU, URS	CW
17068.4	OXZ 8	Lyngby R, DNK	CW
17069.5	JJC	Tokyo R, J	FAX // 4316.0 kHz
17069.6	XF. .	many PEMEX R stations, MEX	CW
17070.0	SPE 83	Szczecin R, POL	CW
17072.0	GKG 6	Portishead R, G	CW
17074.4	LGX	Rogaland R, NOR	CW
	PNK	Jayapura R, INS	CW
17075.0	ZSD 47	Durban R, AFS	CW
17077.0	UAH	Tallinn R, ES, URS	CW
17079.0	HLF	Soul R, KOR	CW
17079.4	SAG 8	Goeteborg R, S	CW
17080.0	DZD 3	Manila R, PHL	CW
	UAI 3	Nakhodka R, SE, URS	CW
	XSQ	Guangzhou R, CHN	CW
17081.6	JFA	Matsudo F R, J	CW
17082.0	DAB	Norddeich R, D	CW
	DGR 28	HAB Hamburg, D	CW
17083.0	CLY	Habana R, CUB	CW
17084.0	IQX	Trieste R, I	CW
	ZPK	Asuncion R, PRG	CW
17086.3	**CTU 7**	**PN Lisbon, POR**	**75 Bd: 2042 msgs (51gs) to CTFF**
17087.0	PPR	Rio de Janeiro R, B	CW
17088.8	KPH	San Francisco R, CA, USA	CW
17090.0	UAI 3	Nakhodka R, SE, URS	CW
17091.0	DZF	Bacoor R, PHL	CW
	XSQ 4	Guangzhou R, CHN	CW
17092.0	GKH 6	Portishead R, G	CW
17093.6	AQP 7	PN Karachi, PAK	CW
	JOR	Nagasaki R, J	CW
17094.8	SVA 6	Athens R, GRC	CW
17096.0	VPS 80	Victoria Island R, HKG	CW
17098.4	GKA 6	Portishead R, G	CW
17100.0	Y5M	Rügen R, DDR	CW
17101.5	JFA	Matsudo F R, J	CW
17103.2	XSG	Shanghai R, CHN	CW
17104.2	PCH 62	Scheveningen R, NLD	CW
17105.0	IRM	CIRM Rome, I	CW
17106.5	WSC	Tuckerton R, NJ, USA	CW
17107.0	UTA	Tallinn R, ES, URS	CW
17108.0	**FUF**	**FN Fort de France, MRT**	**75 Bd: 1351 ry, anns "hotel alfa 1400z"**
	GYU	**RN Gibraltar, GIB**	**75 Bd: 0705+1413 clg MTT**
17110.0	UFL	Vladivostok R, SE, URS	CW
17112.0	DZP	Novaliches R, PHL	CW
17112.6	JCS	Choshi R, J	CW
17113.0	GKB 6	Portishead R, G	CW
17114.7		**MFA Cairo, EGY**	**SITOR-A: 1420 msg (51gs) + ATU-A tfc to Lima, 1935 ATU-A msg**
17115.0	URD	Leningrad R, RU, URS	CW
17115.5	XFL	Mazatlan R, MEX	CW
17116.0	LZS 36	BN Sofia, BUL	CW
17117.5	**PBC 317**	**DN Goeree Island, NLD**	**75 Bd: 0421-2238 ry**
17117.6	WNU	Slidell R, LA, USA	CW
17118.0	HLG	Soul R, KOR	CW
17119.0	**UAT**	**Moscow R, RU, URS**	**SITOR-A: 1930 G nx**
17120.0	PPO	Olinda R, B	CW
17120.5	XDA	Mexico City R, MEX	CW
17122.0	**PWZ**	**BN Rio de Janeiro, B**	**1712-0436 ry or wx**
17122.4	PWZ	BN Rio de Janeiro, B	CW
17124.2	DZE	Mandaluyong R, PHL	CW

17124.4	SUH 5	Alexandria R, EGY	CW
17126.0	XSZ	Dalian R, CHN	CW
17128.0	HAR	Budapest R, HNG	CW
17128.5	ZLP 6	RNZN Waiouru, NZL	CW
17130.0	HAR	Budapest R, HNG	CW
	HLW	Soul R, KOR	CW
	ROT	**SN Moscow, RU, URS**	**1437+1445 R tts wtsca** CW
17131.0	**BAC 7**	**PTT Beijing, CHN**	**0859+0916+1348 ry**
	UJQ 7	Kiyev R, UK, URS	CW
17132.0	XSV	Tianjin R, CHN	CW
	ZSJ 6	SAN Capetown, AFS	CW
17134.0	**UNM 2**	**Klaipeda R, LI, URS**	**0756-1430 R tts wtsca** CW
	XFN	Progreso R, MEX	CW
17135.0	**UJQ**	**Kiyev R, UK, URS**	**0841 R tts wtsca, 1545 R navigational warnings wtsca**
17135.7	GKN 6	Portishead R, G	CW
17136.8	GKM 6	Portishead R, G	CW
17137.0	UHK	Batumi R, GE, URS	CW
17137.7	**GKO 6**	**Portishead R, G**	**SITOR-A: 0926+1042+1430+1930 tts** CW
17138.0	**URB 2**	**Klaipeda R, LI, URS**	**1000 R nx wtsca**
17138.4	VIS 62	Sydney R, NSW, AUS	CW
17140.0	XDA	Mexico City R, MEX	CW
17141.0	**UFN**	**Novorossiysk R, RU, URS**	**0736-1803 R ry or tts wtsca** CW
17141.6	JGC	Yokohama R, J	CW
	JNE	Hiroshima R, J	CW
	UBN	**Zhdanov R, UK, URS**	**0733-1135+1420 R ry or tts wtsca**
	YVG	La Guayra R, VEN	CW
17143.6	DAN	Norddeich R, D	CW
17144.0	DZD	Antipolo R, PHL	CW
17145.0	LZW 6	Varna R, BUL	CW
17146.4	CBV	DGTMMM Valpar. R, CHL	FAX // 4228.0 kHz $
	ELC	Monrovia R, LBR	CW
	NRV	USCG Apra Harbour, GUM	CW
	4XO	Haifa R, ISR	CW
17147.0	URL	Sevastopol' R, UK, URS	CW
17147.2	SVJ 6	Athens R, GRC	CW
17147.9	5RS	Toamasina R, MDG	CW
17149.0	TIM	Limon R, CTR	CW
17150.0	**URD**	**Leningrad R, RU, URS**	**(hx 8575.0 kHz)** CW (hx 8575.0 kHz)
17151.2	GKI 6	Portishead R, G	CW
	NMC	USCG San Fr., CA, USA	FAX // 4346.0 kHz $
17152.0	DZZ	Manila R, PHL	CW
	UJY	Kaliningrad R, RU, URS	CW
17153.0	URL	Sevastopol' R, UK, URS	CW
17155.0	ROT	SN Moscow, RU, URS	CW
	UFB	**Odessa R, RU, URS**	**0650 R tts wtsca; 0912 ry, R tts wtsca** CW
	UKA	Vladivostok R, SE, URS	CW
17156.0	ASK	Karachi R, PAK	CW
17160.0	DZO	Bulacan R, PHL	CW
	OBC 3	Callao R, PRU	CW
	PWZ	**BN Rio de Janeiro, B**	**2115 wx** CW
17160.8	IAR 27	Rome R, I	CW

17160.8	LSA 6	Boca R, ARG	CW
17161.3	VIS 6	Sydney R, NSW, AUS	CW
17162.0	PPO	Olinda R, B	CW
17163.0	**RNO**	**SA/AAMC Moscow, RU, URS**	**0800 R nx wtsca** CW
17164.8	ZSC 7	Capetown R, AFS	CW
17165.6	CLA 41	Habana R, CUB	CW
	LFF	Rogaland R, NOR	CW
	3CA 6	Malabo R, GNE	CW
17166.5	JCT	Choshi R, J	CW
17167.5	GKK 6	Portishead R, G	CW
17168.0	DZN	Navotas R, PHL	CW
17169.0	A9M	Hamala R, BHR	CW
17169.5	WPD	Tampa R, FL, USA	CW
17170.0	PPJ	Juncao R, B	CW
	PPL	Belem R, B	CW
	UDK 2	**Murmansk R, RU, URS**	**1947 R tts wtsca** CW
17170.4	CNP	Casablanca R, MRC	CW
	PJC	Willemstad R, Curacao, ATN	CW
	ZLB 6	Awarua R, NZL	CW
17172.4	WLO	Mobile R, AL, USA	CW
	9MG 11	Georgetown R, Pin. I., MLA	CW
17173.0	ZAD 2	Durres R, ALB	CW
17175.2	A9M	Hamala R, BHR	CW
	CLS	Habana F R, CUB	CW
	EDG 5	Aranjuez R, E	CW
	UAH	**Tallinn R, ES, URS**	**SITOR-A: 0842+1114+1410 R tts wtsca** CW
	UFL	**Vladivostok R, SE, URS**	**0441+0507+0625 R tts wtsca**
	VAI	CCG Vancouver, BC, CAN	CW
	5ZF 4	Mombasa R, KEN	CW
	7OA	Aden R, YMS	CW
	9GA	Takoradi R, GHA	CW
	9LL	Freetown R, SRL	CW
17177.0	UDZ 2	Poti R, GE, URS	CW
17177.6	DAL	Norddeich R, D	CW
17180.0	HWN	FN Paris, F	CW
	LOL	AN Buenos Aires TS, ARG	CW
17181.0	**UDH**	**Riga R, LA, URS**	**0913-1945 ry or R tts wtsca**
17182.0	ICB	Genova R, I	CW
	LZL 6	Bourgas R, BUL	CW
17183.0	**Y5M**	**Rügen R, DDR**	**1330 G nx** CW
17184.0	DZK	Bulacan R, PHL	CW
17184.8	EAD 5	Aranjuez R, E	CW
	KFS	San Francisco R, CA, USA	CW
	PKA	Sabang R, INS	CW
	PKE	Amboina R, INS	CW
	PKP	Dumai R, INS	CW
	9PA	Banana R, ZAI	CW
	9YL	North Post R, TRD	CW
17187.0	OST 62	Oostende R, BEL	CW
17188.0	SVD 6	Athens R, GRC	CW
17189.6	CLS	Habana R, CUB	CW
	D3E 71	Luanda R, AGL	CW
	XYR 9	Yangon R, MYA	CW
17190.1	UHK	Batumi R, GE, URS	CW
17190.5	**UHK**	**Batumi R, GE, URS**	**1339 ry, R tts wtsca**
17191.0	LSA	Boca R, ARG	CW
17192.0	VRN 80	Victoria Island R, HKG	CW

17192.0	3AC 17	Monte Carlo R, MCO	CW
17194.0	C2N	Makwa R, NRU	CW
17194.4	PPR	Rio de Janeiro R, B	CW
	SVB 6	Athens R, GRC	CW
17196.5	LPD 25	General Pacheco R, ARG	CW
17197.5		coast stations, series 1	QSX 16660.5 kHz
	DCN	*Norddeich R, D*	*scheduled*
	KFS	*San Francisco R, CA, USA*	*scheduled*
	S9M	*Sao Tome R, STP*	*scheduled*
	UDH	Riga R, LA, URS	SITOR-A: 1409 R tts wtsca CW
	9VG 82	Singapore R, SNG	SITOR-A: 0200-0422+1250-1928 tts SITOR-B: 0630+0830 tfc list CW
17198.0		coast stations, series 2	QSX 16661.0 kHz
	GKE 6	Portishead R, G	SITOR-A: 0422+0759-2242 tts SITOR-B: 1500+1700 tfc list CW
	WNU	*Slidell R, LA, USA*	*scheduled*
	ZLW	*Wellington R, NZL*	*scheduled*
17198.5		coast stations, series 3	QSX 16661.5 kHz
	KFS	*San Francisco R, CA, USA*	*scheduled* CW
	OST 66	*Oostende R, BEL*	*scheduled*
	SPA 81	Gdynia R, POL	SITOR-B: 0758+1115 tts CW
	UFM 3	*Nevelsk R, FE, URS*	*scheduled*
	VWM	*Madras R, IND*	*scheduled*
	XSV	*Tianjin R, CHN*	*scheduled*
17199.0		coast stations, series 4	QSX 16662.0 kHz
	5OW 17	Lagos R, NIG	CW
17199.5		coast stations, series 5	QSX 16662.5 kHz
	LGX 2	Rogaland R, NOR	SITOR-A: 0503-1512 tts SITOR-B: 0700+1700+1900 N nx CW
	WLO	Mobile R, AL, USA	SITOR-A: 0804+1438+1653 tts SITOR-B: H+35 tfc list, 0500 schedule, 1330+1730 wx, 2120 schedule CW
	5RS	*Toamasina R, MDG*	*scheduled*
17200.0		coast stations, series 6	QSX 16663.0 kHz
	EHY	Pozuelo del Rey R, E	SITOR-A: 0830-1813 tts SITOR-B: 1100+1900 tfc list CW
	UQK	*Riga R, LA, URS*	*scheduled*
	VIP 35	Perth R, WA, AUS	SITOR-A: 0250-1049 tts CW
	WSC	Tuckerton R, NJ, USA	CW
17200.5		coast stations, series 7	QSX 16663.5 kHz
	JCS	Choshi R, J	SITOR-A: 0850 tts
	WAH	*Saint Thomas R, VIR*	*scheduled*
	HPP	*Panama R, PNR*	*scheduled*
	XSG	*Shanghai R, CHN*	*scheduled*
17201.0		coast stations, series 8	QSX 16664.0 kHz
	FFT 81	Saint Lys R, F	SITOR-A: 0745-1733 tts SITOR-B: 0600+0800+0900+1100+1500+1600+2000 tfc list or wx CW
	NMF	USCG Boston, MA, USA	SITOR-B: 1700 wx, schedule
	WPD	*Tampa R, FL, USA*	*scheduled*

17201.5		coast stations, series 9	QSX 16664.5 kHz
	CBV	DGTMMM Valparaiso R, CHL	SITOR-A: 0655+2122 tts CW
	HZG	*Dammam R, ARS*	*scheduled*
	KLC	*Galveston R, TX, USA*	*scheduled*
	VRT	*Hamilton R, BER*	*scheduled*
	9MG 17	*Georgetown R, Pin. I., MLA*	*scheduled*
17202.0		coast stations, series 10	QSX 16665.0 kHz
	A9M	*Hamala R, BHR*	*scheduled* CW
	DCM	Norddeich R, D	SITOR-A: 0533 tts
17202.5		coast stations, series 11	QSX 16665.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 1943+2049 tts CW
	XSQ	*Guangzhou R, CHN*	*scheduled*
	3AC 27	*Monte Carlo R, MCO*	*scheduled*
17203.0		coast stations, series 12	QSX 16666.0 kHz
	NMF	*USCG Boston, MA, USA*	*scheduled*
	NRV	USCG Apra Harbour, GUM	SITOR-B: 0000+0200+1900 wx
	OST 67	Oostende R, BEL	SITOR-A: 0804-1618 tts CW
17203.5		coast stations, series 13	QSX 16666.5 kHz
	KPH	San Francisco R, CA, USA	SITOR-A: 1942 tts CW
	WCC	*Chatham R, MA, USA*	*scheduled*
17204.0		coast stations, series 14	QSX 16667.0 kHz
	KPH	*San Francisco R, CA, USA*	*scheduled*
	SAB 814	Goeteborg R, S	SITOR-A: 0846-1344 tts
	VIS 69	Sydney R, NSW, AUS	SITOR-A: 24 h tts CW
	WCC	*Chatham R, MA, USA*	*scheduled*
	ZPK	Asuncion R, PRG	CW
17204.5		coast stations, series 15	QSX 16667.5 kHz
	A7D	*Doha R, QAT*	*scheduled*
	UXN	*Arkhangelsk R, RU, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 24 h tts CW
17205.0		coast stations, series 16	QSX 16668.0 kHz
	COB 36	*Flota Cubana F R, CUB*	*scheduled*
	HEC 17	Berne R, SUI	SITOR-A: 0633-2125 tts CW
	UPB	*Provideniya R, FE, URS*	*scheduled*
	YUR	*Rijeka R, YUG*	*scheduled*
17205.5		coast stations, series 17	QSX 16668.5 kHz
	KLC	*Galveston R, TX, USA*	*scheduled*
	UCO	*Yalta R, UK, URS*	*scheduled*
	9VG 83	Singapore R, SNG	SITOR-A: 0202-1551 tts SITOR-B: 0630 tfc list CW
17206.0		coast stations, series 18	QSX 16669.0 kHz
	OXZ	Lyngby R, DNK	SITOR-A: 0806+1808-2125 tts SITOR-B: 1530+1930 tfc list CW
	WPD	*Tampa R, FL, USA*	*scheduled*
	9MG 17	Georgetown R, Pin. I., MLA	SITOR-A: 0240 tts CW
17206.5		coast stations, series 19	QSX 16669.5 kHz
	UDH	*Riga R, LA, URS*	*scheduled*
	WNU	*Slidell R, LA, USA*	*scheduled*
	ZSC 64	Capetown R, AFS	SITOR-B: 0615+1615 tfc list, 1750 wx CW

17207.0		coast stations, series 20	QSX 16670.0 kHz
	A7D	*Doha R, QAT*	*scheduled*
	IAR	*Rome R, I*	*scheduled* CW
	NMC	*USCG San Franc., CA, USA*	*scheduled*
17207.5		coast stations, series 21	QSX 16670.5 kHz
	KPH	*San Francisco R, CA, USA*	*scheduled*
	WCC	Chatham R, MA, USA	SITOR-A: 1217-2255 tts SITOR-B: 0500+1700 wx, 1645 navigational warnings, 2030 tfc list CW
17208.0		coast stations, series 22	QSX 16671.0 kHz
	KLC	*Galveston R, TX, USA*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	UBE 2	*Petropavlovsk R, FE, URS*	*scheduled*
	ZSD 62	*Durban R, AFS*	*scheduled*
	3AC 37	*Monte Carlo R, MCO*	*scheduled*
17208.5		coast stations, series 23	QSX 16671.5 kHz
	SVT 6	Athens R, GRC	SITOR-A: 0611-2126 tts SITOR-B: 1300 Greek nx CW
17209.0		coast stations, series 24	QSX 16672.0 kHz
	PPR	Rio de Janeiro R, B	SITOR-A: 0535+2126 tts CW
17209.5		coast stations, series 25	QSX 16672.5 kHz
	WLO	Mobile R, AL, USA	SITOR-A: 0808-2127 tts CW
	9VG 96	Singapore R, SNG	SITOR-A: 0016-1706 tts CW
17210.0		coast stations, series 26	QSX 16673.0 kHz
	CLA	*Habana R, CUB*	*scheduled*
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	Y5M	Rügen R, DDR	SITOR-A: 0857+1811 tts CW
17210.5		coast stations, series 27	QSX 16673.5 kHz
	NMN	USCG Portsmouth, VA, USA	SITOR-A: 1217-2127 tts CW
	NMO	*USCG Honolulu, HWA*	*scheduled*
17211.0		coast stations, series 28	QSX 16674.0 kHz
	IAR	Rome R, I	SITOR-A: 0818-1809 tts CW
	KFS	*San Francisco R, CA, USA*	*scheduled*
17211.5		coast stations, series 29	QSX 16674.5 kHz
	UKX	*Nakhodka R, SE, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 24 h tts CW
17212.0		coast stations, series 30	QSX 16675.0 kHz
	VPS 82	Victoria Island R, HKG	SITOR-A: 2128-1106 tts CW
17212.5		coast stations, series 31	QSX 16675.5 kHz
	OXZ	Lyngby R, DNK	SITOR-A: 0536-2053 tts SITOR-B: 0830 Danish nx, 0930 tfc list, 1157+1210 tts, 1630 Danish nx, 1730 tfc list CW
	VCS	*CCG Halifax, NS, CAN*	*scheduled*
17213.0		coast stations, series 32	QSX 16676.0 kHz
	VAI	*CCG Vancouver, BC, CAN*	*scheduled*
	3AC 47	*Monte Carlo R, MCO*	*scheduled*
17213.5		coast stations, series 33	QSX 16676.5 kHz
	HPP	Panama R, PNR	SITOR-A: 1230-2128 tts CW

17213.5	*UDK 2*	*Murmansk R, RU, URS*	*scheduled*
17214.0		coast stations, series 34	QSX 16677.0 kHz
	BZP 58	XINHUA Beijing, CHN	0600+1200 E nx
	IAR	*Rome R, I*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
17214.5		coast stations, series 35	QSX 16677.5 kHz
17215.0		coast stations, series 36	QSX 16678.0 kHz
	CLA	*Habana R, CUB*	*scheduled*
	GKP 6	Portishead R, G	SITOR-A: 0140+0800-2129 tts CW
	WPD	*Tampa R, FL, USA*	*scheduled*
17215.5		coast stations, series 37	QSX 16678.5 kHz
	UFL	*Vladivostok R, SE, URS*	*scheduled*
17216.0		coast stations, series 38	QSX 16679.0 kHz
	J2A	*Jibuti R, DJI*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	UDH	Riga R, LA, URS	SITOR-A: 1337 R tts wtsca CW
	WCC	Chatham R, MA, USA	SITOR-A: 1255+1615+1623+1930 tts, 2200 E nx SITOR-B: 0500 wx, 1645 navigational warnings, 1700 wx CW
	YUS	*Split R, YUG*	*scheduled*
17216.5		coast stations, series 39	QSX 16679.5 kHz
	UQB	*Kholmsk R, FE, URS*	*scheduled*
17217.0		coast stations, series 40	QSX 16680.0 kHz
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	PKX	*Jakarta R, INS*	*scheduled*
17217.5		coast stations, series 41	QSX 16680.5 kHz
	PCH 65	Scheveningen R, NLD	SITOR-A: 0503-2152 tts CW
17218.0		coast stations, series 42	QSX 16681.0 kHz
	GKY 6	Portishead R, G	SITOR-A: 0423+0809-2129 tts CW
	UMV	*Murmansk R, RU, URS*	*scheduled*
17218.5		coast stations, series 43	QSX 16681.5 kHz
	HEC 37	*Berne R, SUI*	*scheduled*
	UAH	Tallinn R, ES, URS	SITOR-A: 0910-1510 R tts wtsca CW
	UFB	*Odessa R, UK, URS*	*scheduled*
17219.0		coast stations, series 44	QSX 16682.0 kHz
17219.5		coast stations, series 45	QSX 16682.5 kHz
	DCL	Norddeich R, D	SITOR-A: 0810-1807 tts
	IDR 6	IN Rome, I	CW
17220.0		coast stations, series 46	QSX 16683.0 kHz
	UBN	Zhdanov R, UK, URS	SITOR-B: 0635 R tts wtsca CW
	XSG	Shanghai R, CHN	SITOR-B: 0700 test
	YUW	*Bar R, YUG*	*scheduled*
17220.5		coast stations, series 47	QSX 16683.5 kHz
	KFS	*San Francisco R, CA, USA*	*scheduled*
	UXN	Arkhangelsk R, RU, URS	SITOR-A: 0812-1336 R tts wtsca CW
17221.0		coast stations, series 48	QSX 16684.0 kHz
	HEC 27	Berne R, SUI	SITOR-A: 0537-2130 tts CW
	KLC	*Galveston R, TX, USA*	*scheduled*
	UGH 2	*Juzno R, FE, URS*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
17221.5		coast stations, series 49	QSX 16684.5 kHz
	SVU 6	*Athens R, GRC*	*scheduled*

17221.5	*UFH*	*Petropavlovsk R, FE, URS*	*scheduled*
17222.0		coast stations, series 50	QSX 16685.0 kHz
	VPS 83	Victoria Island R, HKG	SITOR-A: 0027+0209+0253 tts CW
17222.5		coast stations, series 51	QSX 16685.5 kHz
	FFT 83	Saint Lys R, F	SITOR-A: 0743-2055 tts CW
17223.0		coast stations, series 52	QSX 16686.0 kHz
	LGX 3	Rogaland R, NOR	SITOR-A: 0612-2130 tts SITOR-B: 0700+1700+1900 N nx CW
	WNU	*Slidell R, LA, USA*	*scheduled*
17223.5		coast stations, series 53	QSX 16686.5 kHz
	8Q2	*Male R, MLD*	*scheduled*
17224.0		coast stations, series 54	QSX 16687.0 kHz
	UJQ	*Kiyev R, UK, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 0502-2131 tts CW
17224.5		coast stations, series 55	QSX 16687.5 kHz
	IAR	*Rome R, I*	*scheduled*
17225.0		coast stations, series 56	QSX 16688.0 kHz
	CUL	Lisbon R, POR	SITOR-A: 1218 tts
17225.5		coast stations, series 57	QSX 16688.5 kHz
	SAB 8..	Goeteborg R, S	SITOR-A: 0501-2132 tts
	WNU	Slidell R, LA, USA	SITOR-A: 2135 tts SITOR-B: 1400+1800+1930+2200 tfc list CW
17226.0		coast stations, series 58	QSX 16689.0 kHz
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0740-1837 R tts wtsca SITOR-B: 1220 R tts wtsca CW
17226.5		coast stations, series 59	QSX 16689.5 kHz
	TAH	*Istanbul R, TUR*	*scheduled*
17226.7		Egyptian E Singapore, SNG	SITOR-A: 0902 ATU-A tfc to Cairo
17227.0		coast stations, series 60	QSX 16690.0 kHz
	DCF	Norddeich R, D	SITOR-A: 1805+1919 tts
	UFL	Vladivostok R, SE, URS	0031+0456+0923+2133 R tts wtsca CW
17227.5		coast stations, series 61	QSX 16690.5 kHz
17228.0		coast stations, series 62	QSX 16691.0 kHz
	LZW	*Varna R, BUL*	*scheduled*
	UAT	Moscow R, RU, URS	SITOR-A: 0749-1309 R tts wtsca, 1315 G nx, 1320-2134 R tts wtsca SITOR-B: 1352 R tts wtsca CW
	ZPK	Asuncion R, PRG	CW
	3AC 57	*Monte Carlo R, MCO*	*scheduled*
17228.5		coast stations, series 63	QSX 16691.5 kHz
	UNM 2	*Klaipeda R, LI, URS*	*scheduled*
17229.0		coast stations, series 64	QSX 16692.0 kHz
	SAB 864	Goeteborg R, S	SITOR-A: 0501-2133 tts
	UHK	*Batumi R, GE, URS*	*scheduled*
17229.5		coast stations, series 65	QSX 16692.5 kHz
	YUR	*Rijeka R, YUG*	*scheduled*
17230.0		coast stations, series 66	QSX 16693.0 kHz
	PCH 66	Scheveningen R, NLD	SITOR-A: 0424-2135 tts CW
17230.5		coast stations, series 67	QSX 16693.5 kHz
	IAR	*Rome R, I*	*scheduled*

17230.5	UFN	Novorossiysk R, RU, URS	SITOR-A: 0817-0851+1423 R tts wtsca CW
	Y5M	*Rügen R, DDR*	*scheduled*
17231.0		coast stations, series 68	QSX 16694.0 kHz
	GKQ 6	Portishead R, G	SITOR-A: 0737-2135 tts CW
	URD	*Leningrad R, RU, URS*	*scheduled*
17231.5		coast stations, series 69	QSX 16694.5 kHz
	UHK	Batumi R, GE, URS	SITOR-A: 0818-1332 R tts wtsca CW
17232.0	*worldwide*	*coast stations DSC freq.*	
17232.5	*worldwide*	*coast stations DSC freq.*	
17232.9		coast stations, ch 1601	SSB QSX 16460.0 kHz
	LFN 2	Rogaland R, NOR	
	LPL 5	General Pacheco R, ARG	
	OXZ	Lyngby R, DNK	
	SAG	Goeteborg R, S	
	S7Q	Victoria R, Mahe, SEY	
	UDN	Novorossiysk R, RU, URS	
	UNM 2	Klaipeda R, LI, URS	
	WOM	Pennsuco R, FL, USA	
17236.0		coast stations, ch 1602	SSB QSX 16463.1 kHz
	EDZ 4	Aranjuez R, E	CW (hx 8618.0 kHz)
	GKT 62	Portishead R, G	
	HZG	Dammam R, ARS	
	KMI	Dixon R, CA, USA	
	VIS	Sydney R, NSW, AUS	
	WAH	Saint Thomas R, VIR	
17239.1		coast stations, ch 1603	SSB QSX 16466.2 kHz
	HAR	Budapest R, HNG	
	IAR	Rome R, I	
	KMI	Dixon R, CA, USA	
	LFN 3	Rogaland R, NOR	
	OXZ	Lyngby R, DNK	
	SAG	Goeteborg R, S	
	S3D	Chittagong R, BGD	
	WAH	Saint Thomas R, VIR	
	XSQ	Guangzhou R, CHN	
	5BA 62	Nicosia R, CYP	
17242.2		coast stations, ch 1604	SSB QSX 16469.3 kHz
	FFL 83	Saint Lys R, F	
	JBO	Tokyo R, J	
	LFN 4	Rogaland R, NOR	
	VCS	CCG Halifax, NS, CAN	
	VIP	Perth R, WA, AUS	
	XDA	Mexico City R, MEX	
	XF.	many R stations, MEX	
	XFS 4	PEMEX Tecolutla R, MEX	
	XFS 5	PEMEX Tuxpan R, MEX	
	XFU 2	PEMEX Veracruz R, MEX	
17245.3		coast stations, ch 1605	SSB QSX 16472.4 kHz
	DZ.	many R stations, PHL	
	EQA	Abadan R, IRN	
	FFL 86	Saint Lys R, F	
	FJA	Papeete R, Tahiti, OCE	
	FUB	FN Paris, F	
	LFN 5	Rogaland R, NOR	
	OXZ	Lyngby R, DNK	
	SAG	Goeteborg R, S	
	URD	Leningrad R, RU, URS	
	WOO	Ocean Gate R, NJ, USA	

17248.4		coast stations, ch 1606	SSB	QSX 16475.5 kHz
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	GKT 66	Portishead R, G		
	JBO	Tokyo R, J		
	OHG 2	Helsinki R, FNL		
	PPO	Olinda R, B		
	S3E	Khulna R, BGD		
	TAF	Samsun R, TUR		
	TFA	Reykjavik R, ISL		
	UAT	Moscow R, RU, URS		
	ZLW	Wellington R, NZL		
17251.5		coast stations, ch 1607	SSB	QSX 16478.6 kHz
	CFH	CF Halifax, NS, CAN		
	LFN 6	Rogaland R, NOR		
	PJC	Willemstad R, Curacao, ATN		
	SPC 81	Gdynia R, POL		
	SVN 6	Athens R, GRC		
	UIK	Vladivostok R, SE, URS		
	WLO	Mobile R, AL, USA		
	3AC 16	Monte Carlo R, MCO		
17254.6		coast stations, ch 1608	SSB	QSX 16481.7 kHz
	ICB	Genova R, I		
	LFN 7	Rogaland R, NOR		
	OBC 3	Callao R, PRU		
	OMC	Bratislava R, TCH		
	OMK	Komarno R, TCH		
	OMP	Prague R, TCH		
	OXZ	Lyngby R, DNK		
	PZN	Paramaribo R, SUR		
	SAG	Goeteborg R, S		
	TAH	Istanbul R, TUR		
	VAI	CCG Vancouver, BC, CAN		
	XSG	Shanghai R, CHN		
	ZSC 28	Capetown R, AFS		
	ZSV 29	Walvis Bay R, NMB		
17257.7		coast stations, ch 1609	SSB	QSX 16484.8 kHz
	HZG	Dammam R, ARS		
	JBO	Tokyo R, J		
	OSU 64	Oostende R, BEL		
	SVN 6	Athens R, GRC		
	WOM	Pennsuco R, FL, USA		
	4XO	Haifa R, ISR		
17260.8		coast stations, ch 1610	SSB	QSX 16487.9 kHz
	CWF	Punta Carretas R, URG		
	DAP	Norddeich R, D		
	LFN 8	Rogaland R, NOR		
	PKX	Jakarta R, INS		
	SUH	Alexandria R, EGY		
	VIS	Sydney R, NSW, AUS		
	WOM	Pennsuco R, FL, USA		
	XSV	Tianjin R, CHN		
17263.9		coast stations, ch 1611	SSB	QSX 16491.0 kHz
	GKU 61	Portishead R, G		
	GYU	RN Gibraltar, GIB		
	HEB 17	Berne R, SUI		
	OHG 2	Helsinki R, FNL		
	PPR	Rio de Janeiro R, B		
	TAM	Mersin R, TUR		
	WOM	Pennsuco R, FL, USA		
	YUR	Rijeka R, YUG		
	5AT	Tripoli R, LBY		

17263.9	9MG 38	Georgetown R, Pin. I., MLA		
17267.0		coast stations, ch 1612	SSB	QSX 16494.1 kHz
	ASK	Karachi R, PAK		
	UDK	Murmansk R, RU, URS		
	UKQ 2	Nakhodka R, SE, URS		
17270.1		coast stations, ch 1613	SSB	QSX 16497.2 kHz
	LFN 9	Rogaland R, NOR		
	OSU 63	Oostende R, BEL		
	PPR	Rio de Janeiro R, B		
	UKI	Nakhodka R, SE, URS		
	4XO	Haifa R, ISR		
	9VG 68	Singapore R, SNG		
17273.2		coast stations, ch 1614	SSB	QSX 16500.3 kHz
	ICB	Genova R, I		
	LFN 20	Rogaland R, NOR		
	OHG 2	Helsinki R, FNL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	XDA	Mexico City R, MEX		
	XFC	Cozumel R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFU 2	PEMEX Veracruz R, MEX		
	XSQ	Guangzhou R, CHN		
	8Q2	Male R, MLD		
17276.3		coast stations, ch 1615	SSB	QSX 16503.4 kHz
	CUL	Lisbon R, POR		
	D3E	Luanda R, AGL		
	GKU 65	Portishead R, G		
	HEB 27	Berne R, SUI		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	HPP 20	Panama R, PNR		
	J5M	Bissau R, GNB		
	OHG 2	Helsinki R, FNL		
	PKT	Dili R, INS		
	TFA	Reykjavik R, ISL		
	UBE 4	Petropavl.-Km. R, FE, URS		
17279.4		coast stations, ch 1616	SSB	QSX 16506.5 kHz
	DAJ	Norddeich R, D		
	EQI	Abbas R, IRN		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	WOM	Pennsuco R, FL, USA		
	9GA	Takoradi R, GHA		
17282.5		coast stations, ch 1617	SSB	QSX 16509.6 kHz
	FUB	FN Paris, F		
	HAR	Budapest R, HNG		
	LFN 21	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PPJ	Juncao R, B		
	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	XFN	Progreso R, MEX		
	4XO	Haifa R, ISR		
17285.6		coast stations, ch 1618	SSB	QSX 16512.7 kHz
	A9M	Hamala R, BHR		
	EQZ	IORC Abadan R, IRN		
	GKU 68	Portishead R, G		
	LFN 22	Rogaland R, NOR		
	LPL	General Pacheco R, ARG		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		

17285.6	S9M	Sao Tome R, STP		
	TAN	Izmir R, TUR		
	VRT	Hamilton R, BER		
	YUS	Split R, YUG		
17288.7		coast stations, ch 1619	SSB	QSX 16515.8 kHz
	FFL 84	Saint Lys R, F		
	LFN 23	Rogaland R, NOR		
	OBF 4	Mollendo R, PRU		
	UFH	Petropavl.-Km. R, FE, URS		
	Y5M	Rügen R, DDR		
	3BB	Port Louis Harbour R, MAU		
	9KK 21	Safat R, KWT		
17291.8		coast stations, ch 1620	SSB	QSX 16518.9 kHz
	LFN 24	Rogaland R, NOR		
	TAL	Antalya R, TUR		
	WFN	Jeffersonville R, IN, USA		
	WGK	Saint Louis R, MO, USA		
	WOO	Ocean Gate R, NJ, USA		
	5AB	Benghazi R, LBY		
17292.0	LPD 86	General Pacheco R, ARG	CW	(hx 8646.0 kHz)
17294.9		coast stations, ch 1621 *(worldwide calling frequency)*	SSB	QSX 16522.0 kHz
17298.0		coast stations, ch 1622	SSB	QSX 16525.1 kHz
	FFL 85	Saint Lys R, F		
	HEB 47	Berne R, SUI		
	HPP 20	Panama R, PNR		
	LFN 25	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	9GX	Tema R, GHA		
	9KK 22	Safat R, KWT		
17301.1		coast stations, ch 1623	SSB	QSX 16528.2 kHz
	D4A	Mindelo R, S. Vicente, CPV		
	D4D	Praia R, Santiago, CPV		
	GKV 63	Portishead R, G		
	OHG 2	Helsinki R, FNL		
	PCG 63	Scheveningen R, NLD		
	UDE	Odessa R, UK, URS		
	UJQ	Kiyev R, UK, URS		
	XSG	Shanghai R, CHN		
	ZPD	Asuncion R, PRG		
17304.2		coast stations, ch 1624	SSB	QSX 16531.3 kHz
	DAK	Norddeich R, D		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	S3E	Khulna R, BGD		
	UQK	Riga R, LA, URS		
	5WA	Apia R, SMO		
17307.3		coast stations, ch 1625	SSB	QSX 16534.4 kHz
	EQK	Khoramshahr R, IRN		
	NMO	USCG Honolulu, HWA		
	OSU 61	Oostende R, BEL		
	SPO 81	Szczecin R, POL		
	SVN 6	Athens R, GRC		
	TFA	Reykjavik R, ISL		
	5OW	Lagos R, NIG		
17310.4		coast stations, ch 1626	SSB	QSX 16537.5 kHz
	A7D	Doha R, QAT		
	CKN	CF Vancouver, BC, CAN		
	CLA 72	Habana R, CUB		
	SVN 6	Athens R, GRC		

17310.4	UFO	Kholmsk R, FE, URS		
	UGE	Arkhangelsk R, RU, URS		
	VPS	Victoria Island R, HKG		
	WOO	Ocean Gate R, NJ, USA		
17313.5		coast stations, ch 1627	SSB	QSX 16540.6 kHz
	HAR	Budapest R, HNG		
	LFN 26	Rogaland R, NOR		
	OBQ 5	Iquitos R, PRU		
	OSU 62	Oostende R, BEL		
	SVN 6	Athens R, GRC		
	URB 2	Klaipeda R, LI, URS		
	YUR	Rijeka R, YUG		
	YVG	La Guayra R, VEN		
17316.6		coast stations, ch 1628	SSB	QSX 16543.7 kHz
	CLA 75	Habana R, CUB		
	FFL 81	Saint Lys R, F		
	S3D	Chittagong R, BGD		
	UFM 3	Nevelsk R, FE, URS		
	UGH 2	Juzno R, FE, URS		
	4XO	Haifa R, ISR		
17319.7		coast stations, ch 1629	SSB	QSX 16546.8 kHz
	EQM	Bushire R, IRN		
	LFN 27	Rogaland R, NOR		
	SVN 6	Athens R, GRC		
	Y5M	Rügen R, DDR		
	6VA	Dakar R, SEN		
	7TA 28	El Djaza'ir R, ALG		
17322.8		coast stations, ch 1630	SSB	QSX 16549.9 kHz
	EHY	Pozuelo del Rey R, E		
	OSU 67	Oostende R, BEL		
	TFA	Reykjavik R, ISL		
	UFA	Batumi R, GE, URS		
	UKB	Riga R, LA, URS		
17325.9		coast stations, ch 1631	SSB	QSX 16553.0 kHz
	CBV	DGTMMM Valparaiso R, CHL		
	HEB 37	Berne R, SUI		
	SPC 82	Gdynia R, POL		
	WOO	Ocean Gate R, NJ, USA		
	XSU	Yantai R, CHN		
	7TA 29	El Djaza'ir R, ALG		
	7TF	Skikda R, ALG		
17329.0		coast stations, ch 1632	SSB	QSX 16556.1 kHz
	GKW 62	Portishead R, G		
	HAR	Budapest R, HNG		
	JBO	Tokyo R, J		
	S3D	Chittagong R, BGD		
	WLO	Mobile R, AL, USA		
	5BA 64	Nicosia R, CYP		
17332.1		coast stations, ch 1633	SSB	QSX 16559.2 kHz
	FFL 82	Saint Lys R, F		
	PPL	Belem R, B		
	SPC 83	Gdynia R, POL		
	UBJ	Baku R, AZ, URS		
	XSV	Tianjin R, CHN		
	Y5M	Rügen R, DDR		
	ZSD 41	Durban R, AFS		
17335.2		coast stations, ch 1634	SSB	QSX 16562.3 kHz
	DAI	Norddeich R, D		
	EHY	Pozuelo del Rey R, E		
	HLS	Soul R, KOR		
	SVN 6	Athens R, GRC		
	TUA	Abidjan R, CTI		

17335.2	VFF	CCG Iqaluit, NWT, CAN		
17338.3		coast stations, ch 1635	SSB	QSX 16565.4 kHz
	D3E	Luanda R, AGL		
	D4A	Mindelo R, S. Vicente, CPV		
	J5M	Bissau R, GNB		
	LFN 28	Rogaland R, NOR		
	LZW	Varna R, BUL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3E	Khulna R, BGD		
	YKM 7	Al Ladhiqiyah R, SYR		
17341.4		coast stations, ch 1636	SSB	QSX 16568.5 kHz
	OHG 2	Helsinki R, FNL		
	PCG 61	Scheveningen R, NLD		
	7TA 30	El Djaza'ir R, ALG		
17344.5		coast stations, ch 1637	SSB	QSX 16571.6 kHz
	EHY	Pozuelo del Rey R, E		
	GKW 67	Portishead R, G		
	HLS	Soul R, KOR		
	VPS	Victoria Island R, HKG		
	5RS	Toamasina R, MDG		
17347.6		coast stations, ch 1638	SSB	QSX 16574.7 kHz
	CNP	Casablanca R, MRC		
	KUQ	Pago Pago R, SMA		
	OHG 2	Helsinki R, FNL		
	SPO 82	Szczecin R, POL		
	S9M	Sao Tome R, STP		
	YUW	Bar R, YUG		
17350.7		coast stations, ch 1639	SSB	QSX 16577.8 kHz
	DAH	Norddeich R, D		
	EHY	Pozuelo del Rey R, E		
	PCG 62	Scheveningen R, NLD		
	ZAD	Durres R, ALB		
	8Q2	Male R, MLD		
	9PA	Banana R, ZAI		
17353.8		coast stations, ch 1640	SSB	QSX 16580.9 kHz
	CBV	DGTMMM Valparaiso R, CHL		
	GKW 60	Portishead R, G		
	SVN 6	Athens R, GRC		
	Y5M	Rügen R, DDR		
	5OW	Lagos R, NIG		
	8PO	Bridgetown R, BRB		
17356.9		coast stations, ch 1641	SSB	QSX 16584.0 kHz
	LFN 29	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	UDC	Zhdanov R, UK, URS		
	WLO	Mobile R, AL, USA		
	4PB	Colombo R, SLK		
	7TA 31	El Djaza'ir R, ALG		
	9VG 69	Singapore R, SNG		
17360.0	**RCF 41**	**TASS Moscow, RU, URS**	**1100+1300+1500+1600+1700 A nx**	
17363.0	**5YE**	**Nairobi Meteo, KEN**	**100 Bd: 24 h ry or wx**	
17363.8	EDZ 6	Aranjuez R, E	CW (sp 17064.8 kHz)	
17367.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz $	
17370.0	**RBI 73**	**TASS Moscow, RU, URS**	**0600 A nx**	
17373.0	6MK 58	YONHAP Soul, KOR	FAX // 6915.0 kHz CW	
17378.8	**'RFTJF'**	**FF Port Bouet, CTI**	**ARQ-E3 96 Bd: 0945-2058 msg or msg (5lgs) after "BBBB" or encrypted msg after "KKKK..." or "controle de voie" to 'RFFA' (AFL)**	

17380.0	FUM	FN Papeete, Tahiti, OCE	CW
17387.0	5BC 84	Nicosia R, CYP	SSB QSX 16512.0/22034.0 kHz
17390.0	3VA 74	TAP Tunis, TUN	1200 A nx, 1400+1500+1600+1700 F nx
17397.0	HMY 47	PTT Pyongyang, KRE	0819+0834+1259 ry
17400.0	BBE 52	PTT Shanghai, CHN	2230 ry
	5ST 83	Antananarivo Meteo, MDG	0330+0830+1330+1530+1630 wx
17403.0	BAL 32	PTT Beijing, CHN	1258-1458 ry or clg HGO 24
17404.0	KKN 44	USE Monrovia, LBR	CW
17405.0	GKX ..	Portishead Air, G	SSB
17410.0 - 17550.0		**FIXED**	
17411.0	Y7K 32	MFA Berlin, DDR	0930-1645 ry or tfc
17413.3	GHH	Jamestown Meteo, SHN	1020+1420+1620 ry, wx
17413.5	KKN 39	Miami, FL, USA	CW
17415.0	Y7K 33	MFA Berlin, DDR	0820-1556 ry or tfc 100 Bd: 0754+1142+1442 ry
17417.0	ZCK	Kowloon Air, HKG	0634+2355 msgs
17420.0	EAE 220	MFA Madrid, E	SSB
17422.3	EAE 220	MFA Madrid, E	SITOR-A: 1143+1515+1527+2024 msgs
17426.0	GPA 6	Portishead R, G	SITOR-A: 0137+0753-2139 tts CW
17427.5	OFA	Helsinki R, FNL	SITOR-B: 1100+1700 Finnish nx; QSX 16679.0 kHz
17430.0	9VF 209	JIJI Singapore, SNG	1330 E nx
17434.5	Y2V 37B	ADN Berlin, DDR	1000-1150+1400-1550 F nx
17435.5	Y2V 37A	ADN Berlin, DDR	0800+1200+1500+1600+1700 E nx
17440.5		UNID station (289)	SITOR-A: 1900 msgs SITOR-B: 1930 I nx
17443.0	BZG 48	XINHUA Beijing, CHN	0700-1300 F nx
17450.0	MUA	BA London, G	ARQ-M2 96 Bd: A: 1925 encrypted tfc
17456.0	Y7A 74	MFA Berlin, DDR	1144-1744 tfc
17459.0	SAM	MFA Stockholm, S	SWED-ARQ: 0825 tfc
17462.7	'RFFUAJ'	FF Villacoublay, F	ARQ-M2 200 Bd: A: 1357+1432+1503 msg
17468.0	HGO 24	MTI Budapest, HNG	0600 E nx
17470.0	BZS 28	XINHUA Beijing, CHN	0700+0800+0900+1000+1100 E nx
17472.0	'RPFN'	PN Lisbon, POR	75 Bd: 1515 clg + msg to 'RPTI', 1530 foxes
17480.0	4QQ 74	DW Trincomalee, SLK	0740 s. on with ry, 0750 msgs to Cologne, 0920 ry, 0940 tfc to Cologne
17492.0	D6B 375	PTT Moroni, COM	VFT: ARQ-M2 96 Bd: A: 1322 msg B: 1245 msg
	SOR 249	PAP Warsaw, POL	0845 R nx wca
17496.1	D6B 375	PTT Moroni, COM	SSB
17498.5		MFA Rome, I	SITOR-A: 0830+0839+1326+1351 tfc or msg
17499.5	D6B 375	PTT Moroni, COM	SSB
17502.0	'RFLI'	FF Fort de France, MRT	ARQ-E 72 Bd: 1458-2225 msg (F nx) or encrypted msg after "KKKK..." to 'RFLIG' (XXX)
17510.0	OXT	Copenhagen Meteo, DNK	FAX // 5850.0 kHz $
	RFD 53	TASS Moscow, RU, URS	0600-1800 F nx
17515.0	GKP 6	Portishead R, G	(sp 17215.0 kHz) CW (sp 17215.0 kHz)
17517.0	HDN	EN Quito, EQA	75 Bd: 2220 ry

17518.5	**DMK**	**MFA Bonn, D**	**ARQ-E 96 Bd: 1154 encrypted msg to Pretoria, 1223 encrypted msg to Addis Ababa, 1532 tfc to Brasilia**
17519.0	HSW 61	Bangkok Meteo, THA	FAX // 7395.0 kHz $
17520.0	**REM 55**	**APN Moscow, RU, URS**	**100 Bd: 0600+0700+0800 E nx**
17521.0	**HSW 61**	**Bangkok Meteo, THA**	**0041+0738+1244-1943 wx**
17525.0	**OLV 3**	**CETEKA Prague, TCH**	**0600-0700+1130-1215+1610-1700 E nx**
	'RPTI'	**PN Ponta Delgada, AZR**	**75 Bd: 1519 ry**
17535.0	**MKD**	**RAF Akrotiri, CYP**	**VFT: 0712+2151 ryi** COMB
17537.0	**Y7K 40**	**MFA Berlin, DDR**	**1613-1856 ry or tfc**
17548.6	**9HA**	**Luqa Air, MLT**	**1017+1340+1522 ry, 1648 msg**

17550.0 - 17900.0 BROADCASTING < 531 >

17550.9	**'RFTJF'**	**FF Port Bouet, CTI**	**ARQ-E3 96 Bd: 1020 msgs to 'RFFA', 1245 operational msg (AFL)**
17551.5	LQC 28	Buenos Aires TS, ARG	CW
17552.0	KWL 90	USE Manila, PHL	CW
17555.0	**YWM**	**VN Maracaibo, VEN**	**75 Bd: 1934 msgs, 2000 clg CXR**
17567.0	**4UA**	**UNO Rawalpindi, PAK**	**75 Bd: 0500 ry**
17570.0	**RBX 42**	**TASS Moscow, RU, URS**	**0600-1645 F nx**
17585.0	AOK	USN Rota, E	FAX // 4704.0 kHz $
17590.0	**HZN 49**	**Jeddah Meteo, ARS**	**100 Bd: 24 h ry or wx**
17592.0	**ZPK**	**PN Asuncion, PRG**	**75 Bd: 1904+1920 clg NBA**
17597.5	**JAQ 57**	**KYODO Tokyo, J**	**0240-0410+0430-0600 E nx**
17600.0	**RIJ 71**	**TASS Moscow, RU, URS**	**1000-1800 P nx**
17610.0	**YZJ 8**	**TANJUG Belgrade, YUG**	**1800 S nx**
17623.0	**9KT 344**	**KUNA Safat, KWT**	**0800-2000 E nx**
17627.0	**9KT 344**	**KUNA Safat, KWT**	**0700-2100 A nx**
17634.0	**SUU**	**Cairo Meteo, EGY**	**0749+0841+1512 wx**
17670.0	**Y7A 74**	**MFA Berlin, DDR**	**0700 tfc, 0730 ry**
17672.0	LQZ 67	AP Buenos Aires, ARG	FAX // 5777.5 kHz

17900.0 - 17970.0 AERONAUTICAL MOBILE (R)

17901.0	AMS = 12	SSB
17904.0	AMS = CEP CWP NP SP, 4	SSB
17907.0	AMS = CAR EA SAM SEA	SSB
17910.0	AMS = 10	SSB
17913.0	AMS = 6G 13	SSB
17916.0	AMS = W I/III	SSB
17919.0	AMS = W II/IV	SSB
17922.0	AMS = W I/III	SSB
17925.0	AMS = W II/V	SSB
17928.0	AMS = W III/IV	SSB
17931.0	AMS = W I/V	SSB
17934.0	AMS = W II/III	SSB
17937.0	AMS = W IV/V	SSB
17940.0	AMS = W II/III	SSB
17943.0	AMS = 6	SSB
17946.0	AMS = NAT, 14	SSB
17949.0	AMS = 5	SSB
17952.0	AMS = 3	SSB
17955.0	AMS = SAT, 6B	SSB
17958.0	AMS = NCA	SSB
17961.0	AMS = AFI EUR INO MID	SSB

17964.0		AMS = 2 11B	SSB
17967.0		AMS = 5 13A 13B 13E 13F	SSB

17970.0 - 18030.0 AERONAUTICAL MOBILE (OR)

17975.0	AJE	USAF Wolvey, G	SSB
	'OPBE'	JAT Belgrade, YUG	SSB
17979.0		Turkish E Madrid, E	FEC-A 144 Bd: 1005 msgs to TAD
17992.0	DHM 91	GAF Münster, D	SSB
17995.0	6WI	ASECNA Dakar, SEN	SSB
17995.7	9KT ...	KUNA Safat, KWT	(sp fm ?)
18001.7		Egyptian E Nairobi, KEN	SITOR-A: 0946+1523+2043 ATU-A msg to Cairo
18002.0	AFI	USAF McCl. AFB, S., CA, USA	SSB
	AGA	USAF Hickam AFB, H., HWA	SSB
	AIC	USAF Clark AFB, Luzon, PHL	SSB
18018.0	GFW	RAF Akrotiri, CYP	SSB
	MQP	RAF Upavon, G	SSB
18019.0	AFE	USAF MacD. AFB, T., FL, USA	SSB
	AFH	USAF Albrook AFB, Blb., PNR	SSB
18021.7		MFA Cairo, EGY	SITOR-A: 1528 ATU-A tfc
18023.0	HEE 81	Berne Air, SUI	SSB
18027.0	AFA	USAF A. AFB, C.S., MD, USA	SSB

18030.0 - 18052.0 FIXED

18031.7		MFA Islamabad, PAK	SITOR-A: 0718+1504 msg
18034.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0720 msgs (5lgs) to Bonn; 1449 msgs + msg (5lgs with too many "K"s ...) to Bonn
18035.0	'RSVI'	SAN Capetown, AFS	75 Bd: 1445 AMVER msgs
18040.0	TCY 4	AA Ankara, TUR	0700+0800+0900+1000 E nx, 1100+1200 Turkish nx, 1300 E nx, 1345-1600 Turkish nx
	ZRH	SAN Capetown, AFS	75 Bd: 1325 ry
	'RFHI'	FF Noumea, NCL	ARQ-M2 96 Bd: A: 0341+1655 "controle de voie" (HII)
18045.0	MKD	RAF Akrotiri, CYP	VFT: 0930+1159+1225+1648 ry: COMB
	'DFZG'	MFA Belgrade, YUG	75 Bd: 0947 ry, 1500 msgs, 1652 ry
18046.0	FVA 80	Rosny sur Bois Gendarm., F	SSB
	FVZ 99	Saint Pierre Gendarm., SPM	SSB
18050.0	RQV 70	TASS Moscow, RU, URS	0600 F nx
	YZI	TANJUG Belgrade, YUG	0400+0700+0900+1000 E nx, 1500+1700+1800 F nx

18052.0 - 18068.0 FIXED + Space Research

18055.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 1500 msg (SC nx)
18056.7		MFA Jakarta, INS	1526 ry, 1650+1736 msg (Indonesian nx)
18060.0	AXI 36	Darwin Meteo, NT, AUS	FAX // 5755.0 kHz $
	SNN 299	MFA Warsaw, POL	75 Bd: 1338 ry
18061.0	GYA	RN London, G	75 Bd: 0641-1708 test
18064.0	SNN 299	MFA Warsaw, POL	75 Bd: 0430 ry, msgs
18067.5	NBA	USN Balboa, PNR	75 Bd: 1088 tfc to CCS, 1717 ry, 1938 msg

18068.0 - 18168.0 AMATEUR + AMATEUR-SATELLITE < 510 537 538 >

18091.7		MFA Islamabad, PAK	SITOR-A: 0806+0943 msgs to Paris, 1010 tfc to Rome
		Pakistan E Rome, I	SITOR-A: 1013 msg to Islamabad
18093.0	LRO 84	Buenos Aires Met., ARG	FAX // 5185.0 kHz $
18106.3	SUU	Cairo Meteo, EGY	0612-1730 ry or wx
18113.0	'U'	Beacon Murmansk, RU, URS	CW (hx 9056.5 kHz)
18120.0	MKK	RAF London, G	VFT: 1128-2035 ryi COMB
18121.7		Egyptian E Rabat, MRC	SITOR-A: 1702 ATU-A msgs to Cairo
18125.0	RND 70	TASS Moscow, RU, URS	0600-1500 E nx
18137.5		VoA Delano feeder, CA, USA	SSB
18143.5	7RQ 20	MFA El Djaza'ir, ALG	CW
18160.0	RTB 25	TASS Moscow, RU, URS	1600+1700 F nx
18164.5	STK	Khartoum Air, SDN	24 h ry or msgs (SLA)
18166.7		MFA Cairo, EGY	SITOR-A: 0953+1729 ATU-A tfc

18168.0 - 18780.0 FIXED + Mobile except aeronautical mobile

18170.0	RIF 33	APN Moscow, RU, URS	100 Bd: 0500+0600+0700 E nx, 0900 R nx wtsca
18171.5	IRQ 21	ITALCABLE Rome, I	1008+1443+1530+1905 clg Khartoum
18184.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0855 msgs (51gs)
		FRG E Lagos, NIG	ARQ-E 96 Bd: 1600 msg to Bonn
		Turkish E Moscow, RU, URS	FEC-A 144 Bd: 0954+1130 msg to TAD
18187.0	SDQ 7	ST Stockholm, S	CW
18193.5	CLN 603	PL Habana, CUB	2200 E nx
18195.0	RCI 73	R Moscow feeder, RU, URS	SSB
18200.0		APN Moscow, RU, URS	100 Bd: 0900+1000 F nx
18202.0	TAD	MFA Ankara, TUR	100 Bd: 1500 msgs, 1700 msgs (51gs) to Bonn and London FEC-A 144 Bd: 0915 msg (F nx), 1000 msg (51gs), 1420 tfc to Berne, 1440 ry
18203.0	9KT 345	KUNA Safat, KWT	0800-2000 E nx
18206.7		Egyptian E Moscow, RU, URS	SITOR-A: 0917 ATU-A msg to Cairo
18207.0	9KT 345	KUNA Safat, KWT	0700-2100 A nx
18210.0	GKX 63	Portishead Air, G	SSB
	LZP 3	PTT Sofia, BUL	0900+0913+1400 clg Beijing
18212.0	9XK 79	DW Kigali, RRW	0840-1042 msgs to Cologne
18215.0		VoA Greenville, NC, USA	75 Bd: 1600+1700 E nx, 1800 S nx, 1900-2300 E nx
18220.0	JMH 5	Tokyo Meteo, J	FAX // 3622.5 kHz $
18220.9	CNM 76X9	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
18230.0	GFL 25	Bracknell Meteo, G	0605-1815 ry or wx
18233.0	ATQ 38	Delhi Meteo, IND	FAX // 4993.5 kHz $
18237.0	BAF 33	Beijing Meteo, CHN	FAX // 5527.0 kHz $
18238.0	ZRO 4	Pretoria Meteo, AFS	FAX // 4014.0 kHz $
18241.4		MFA Hanoi, VTN	ARQ-M4 192 Bd: B: 1210 msg (51gs) C: 1115 msg to Moscow
18241.8	ZRO 4	Pretoria Meteo, AFS	75 Bd: 0445-2007 wx
18245.5		APN Moscow, RU, URS	75 Bd: 0800+0900 F nx, 1000+1100 E nx, 1200 R nx wtsca
18255.0	ATB 68	MEA Delhi, IND	0830-1500 E nx

18261.0	GFE 24	Bracknell Meteo, G	FAX // 2618.5 kHz $
18263.3	HBD 20	MFA Berne, SUI	SITOR-A: 1459 msg (5lgs)
18264.0	XVN 48	VNA Hanoi, VTN	0500+0600+0700 F nx
18265.8		VoA Kavalla, GRC	VFT: 75 Bd: 1315 clg Greenville, 1323+1333+1345 tfc + msgs to Greenville
18266.0	ZAA 6	ATA Tirana, ALB	(hx 9133.0 kHz)
18267.2		VoA Kavalla, GRC	// 18265.8 kHz
18270.5	HBD 20	MFA Berne, SUI	SITOR-A: 1709 msg (F/G nx)
	HBD 46	Swiss E Habana, CUB	SITOR-A: 1858 msg to HBD 20
18273.5	HBD 20	MFA Berne, SUI	SITOR-A: 1149 tfc to HBD 39
	HBD 39	Swiss E Nairobi, KEN	SITOR-A: 1148 msg to HBD 20
18275.0		VoA Greenvl. fdr., NC, USA	ISB
		UNID station (1189)	ARQ-E 96 Bd: 1003-1510 extremely long (6407 groups) msgs (5lgs)
18278.0	9KT 351	KUNA Safat, KWT	0800-2000 E nx
18279.5	HBD 20	MFA Berne, SUI	SITOR-A: 0658 tfc to HBD 22, 1230 msg (F/G nx), 1453 tfc, 1730 msg (F/G nx)
	HBD 22	Swiss E Delhi, IND	SITOR-A: 0656 msg (5lgs) to HBD 20, 1456 msg to HBD 20
18282.0	9KT 351	KUNA Safat, KWT	0700-2100 A nx
18285.0	RCV 28	R Moscow feeder, RU, URS	ISB
18289.5	DMK	MFA Bonn, D	ARQ-E 96 Bd: 1331 msgs
18293.0	9KT 352	KUNA Safat, KWT	0800-2000 E nx
18295.0	SDU 9	ST Stockholm, S	ARQ-M2 96 Bd: A: 0723-1531 to Ho Chi Minh Ville B: 0725+0955+1332+1603 to Ho Chi Minh Ville (SHC)
18297.0	9KT 352	KUNA Safat, KWT	0700-2100 A nx
18307.0	9KT 349	KUNA Safat, KWT	0800-2000 E nx
18310.0	RDT 57	APN Moscow, RU, URS	100 Bd: 0400+0500 E nx, 0600+0700 Indonesian nx, 0900-1500 P nx
18311.0	9KT 349	KUNA Safat, KWT	0700-2100 A nx
18320.0	OMZ	MFA Prague, TCH	75 Bd: 0700 ry, 1425 msgs to KNY 23
	'BUNI'	Indonesian E Tehran, IRN	SSB
18321.5	'BUNI'	Indonesian E Tehran, IRN	0810 ry, msg to Jakarta; 1245+1456 msg to Jakarta
18341.7		Egyptian E Bamako, MLI	SITOR-A: 1653 ATU-A msgs to Cairo
18347.5	'K'	Beacon Khabarovsk, SE, URS	CW
18351.0	KWS 78	USE Athens, GRC	CW
18354.0	9MY 63	Kuala Lumpur Meteo, MLA	0930+1030+1330+1530 ry, wx
18363.5	9PL	Kinshasa Air, ZAI	24 h ry or msgs (ZSA)
18365.0	6WW	FN Dakar, SEN	75 Bd: 1452+1851 clg FAAE
18385.0	RRQ 20	TASS Moscow, RU, URS	0500-1800 E nx
18388.6	5AF	Tripoli Air, LBY	0645-2314 ry or msgs (LSA)
18390.0	SOT 239	PTT Warsaw, POL	0900 ry, to Beijing
18398.5		Indonesian E Tokyo, J	CW/SSB
18400.0	HGX 38	Hungarian E London, G	DUP-ARQ: 0800 msgs to HGX 21
	HGX 42	Hungarian E Tehran, IRN	DUP-ARQ: 0600+1010 msgs to HGX 21
18401.5		MFA Jakarta, INS	1200 msg (Indonesian nx) SITOR-A: 0430+0930 tfc to Delhi; QSX 19501.5 kHz
18405.0	RCT 57	TASS Moscow, RU, URS	0600+0700+1600+1700 E nx
18410.0	GXQ	BA London, G	VFT: 0958-1904 ryi COMB
18417.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 1014 ry

18421.0	LQB 54	TELAM Buenos Aires, ARG	1800+1900 S nx
18428.0	KNY 23	Czech E Wash., DC, USA	75 Bd: 1645 msgs to OMZ
18433.0	LRO 83	REUTER Bs. Aires, ARG	FAX // 13753.5 kHz
18440.0	RIF 32	APN Moscow, RU, URS	100 Bd: 0600+0700+0800 F nx
18441.2	JMJ 5	Tokyo Meteo, J	FAX // 3365.0 kHz $
18442.3	KNY 23	Czech E Wash., DC, USA	75 Bd: 1713 msgs to OMZ
18443.0	NPN	USN Apra Harbour, GUM	FAX // 7894.0 kHz $
18447.7	'RFPTC'	FF N'djamena, TCD	ARQ-M2 200 Bd: A: 1824 "controle de voie" to 'RFFA', 1858 msg to 'RFFA'
18455.0	RWN 71	APN Moscow, RU, URS	75 Bd: 0600+0700+0800+0900 F nx, 1000+1200 P nx 100 Bd: 0500 F nx, 1000+1100+1300+1400 P nx
18456.0	MKK	RAF London, G	VFT: 1742 ryi COMB
18460.0	RRG 29	R Moscow feeder, RU, URS	SSB
	RXO 70	Khab. Meteo, SE, URS	(hx 9230.0 kHz)
18461.7	PCW 1	MFA Den Haag, NLD	SITOR-A: 1223-0456 tfc CW
18480.0	HBO 58	Berne Air, SUI	SSB
18490.0	RUZU	SAAM Molodezhnaya, ANT	FAX // 10142.0 kHz
18491.5		Indonesian E Delhi, IND	SITOR-A: 1327+1510 msgs or msg (5lgs) to Jakarta, QSX 19117.5 kHz
18496.1	CNM 80X11	MAP Rabat, MRC	0900-1030 A nx, 1200-1400 E nx, 1530-1700 A nx
18498.5	PCW 6	Dutch E Jeddah, ARS	SITOR-A: 0513 msg to PCW 1; QSX 19731.5 kHz
18502.0	'RFFA'	MOD Paris, F	ARQ-M2 96 Bd: A: 1348+1449 msgs to 'RFLI' (LFB) B: 2032 encrypted msg after "KKKK..." to 'RFLI'
18504.0	RIW	SN Khiva, UZ, URS	CW
18520.0	RRG 28	APN Moscow, RU, URS	100 Bd: 0700-1200 F nx
18525.0	KKN 50	MFA Washington, DC, USA	CW
18535.0	MKD	RAF Akrotiri, CYP	VFT: 0453-2149 ryi COMB
18542.5	WFK 48	USIA New York, NY, USA	75 Bd: 1600+1700+1800+1900 E nx, 2100 S nx
18543.5	STK	Khartoum Air, SDN	24 h ry or msgs
18547.0	Y3I 3	DP Berlin, DDR	0735-1442 ry or to Pyongyang
18550.0	NBA	USN Balboa, PNR	75 Bd: 1537 tfc to CCF, 1927 msgs, 2048 tfc
18560.0	9BC 31	IRNA Tehran, IRN	1000-1100 E nx, 1100-1230 A nx
18600.0	RWN 72	PL Moscow, RU, URS	0700+0800 E nx, 0900+1000 F nx, 1100-1500 P nx
18602.0	LOL	AN Buenos Aires, ARG	75 Bd: 2004 clg HDN
18602.9		VoA Greenville, NC, USA	VFT: 75 Bd: 1237 msgs to Botswana, 1320+1342 clg Kavalla, 1350 msg, 1357+1402 clg Rhodes, 1440 clg Ismaning, 1440 tfc to Tanger
18604.4		VoA Greenville, NC, USA	// 18602.9 kHz
18610.0		Vietnamese E Moscow, RU, URS	ARQ-M4 192 Bd: C: 0722+0913 msg (5lgs) to Hanoi
18614.0	CLP 1	MFA Habana, CUB	1459 msg
18630.0	CLP 1	MFA Habana, CUB	1328 msg (S nx) + tfc, 2042 tfc
	IRQ 26	ITALCABLE Rome, I	SSB
18635.0	RWN 70	APN Moscow, RU, URS	100 Bd: 1000 R nx wtsca
18640.5	9KT 356	KUNA Safat, KWT	0800-2000 E nx

18644.5	9KT 356	KUNA Safat, KWT	0700-2100 A nx
18646.6	PCW 1	MFA Den Haag, NLD	SITOR-A: 1628 tfc CW
18648.5	SOT 265B	PAP Warsaw, POL	SITOR-B: 1800 Polish nx
18650.0	RBI 71	R Moscow feeder, RU, URS	SSB
	SOT 265	PAP Warsaw, POL	1700 F nx
	SPW	Warsaw R, POL	SSB
18651.5	SOT 265A	PAP Warsaw, POL	1800 Polish nx
18656.0		Cuban E El Djaza'ir, ALG	1432 msg (5fgs) + msg to CLP 1
18664.0	RIW	SN Khiva, UZ, URS	CW
18669.3	FTS 67H1	AFP Paris, F	0900-1900 F nx
18670.7	FTS 67H3	AFP Paris, F	0900-1900 E nx
18680.0	RCH 72	Tashkent Met., UZ, URS	(hx 9340.0 kHz)
18688.0	SAM	MFA Stockholm, S	SWED-ARQ: 1030 tfc to SAM 31
	SAM 31	Swed. E El Djaza'ir, ALG	SWED-ARQ: 1030 msg to SAM
18690.0	SAM 49	Swedish E Jeddah, ARS	SSB
18691.6	SAM 49	Swedish E Jeddah, ARS	SWED-ARQ: 0804+1406 msg to SAM
18697.5	DFS 70L3	DPA Hamburg, D	0900-1900 E nx
18700.0	Y2V 44	ADN Berlin, DDR	0900+1100 E nx, 1200+1300 A nx, 1400 E nx
18702.4	DFS 70	PIAB Bonn, D	FEC-A 96 Bd: 0900+1500 G nx
18704.3	DFS 70	PIAB Bonn, D	FEC-A 96 Bd: 0730-0930 G nx
18710.0	RIZ 59	Moscow Meteo, RU, URS	FAX // 2815.0 kHz $
18721.7		MFA Cairo, EGY	SITOR-A: 0735 ATU-A tfc, 1409 msg (51gs) + ATU-A msg
18734.0		Argentine E Brasilia, B	SSB
18736.0		Argentine E Brasilia, B	75 Bd: 2140 msg
18755.5		INTERPOL Taipei, TAI	CW
18756.0		INTERPOL Tokyo, J	SITOR-B: 0044 msg
18757.5		SABS Riyadh feeder, ARS	SSB
18760.0	SAM	MFA Stockholm, S	SWED-ARQ: 0800 tfc to SAM 59
	SAM 59	Swedish E Hanoi, VTN	SWED-ARQ: 0802 msgs to SAM
	'P6Z'	MFA Paris, F	FEC-A 144 Bd: 0830 clg 'U3H', 1335 tfc, 1608 msg
18775.0	MKK	RAF London, G	VFT: 0955+1239+1415+1618 ryi COMB

18780.0 - 18900.0 MARITIME MOBILE < 532 >

18782.5		VoA Greenvl. fdr., NC, USA	ISB
18785.0	FTS 78	DIPLO Paris, F	1200-1900 F nx
18788.0		SUNA Khartoum, SDN	1000+1700 E nx
18808.0	RIW	SN Khiva, UZ, URS	CW
18810.0	SAM	MFA Stockholm, S	SWED-ARQ: 1630 msg (Swedish nx)
18820.0	CLP 25	Cuban E Maputo, MOZ	0800 clg CLP1
18822.5	Y2V 38B	ADN Berlin, DDR	1400 F nx
18823.5	Y2V 38A	ADN Berlin, DDR	1400+1500 E nx
18824.5		Cirebon, INS	SSB
		Jakarta, INS	SSB
18835.0	RWN 74	APN Moscow, RU, URS	100 Bd: 0400+0500 E nx
18860.0	ZAT	ATA Tirana, ALB	(hx 9430.0 kHz)
18861.0	GYA	RN London, G	75 Bd: 1413 test
18870.0	RRG 26	R Moscow feeder, RU, URS	SSB
18872.0	BZR 68	XINHUA Beijing, CHN	75 Bd: 0600-1500 E nx

18900.0 - 19680.0 FIXED

18913.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0858 msgs
18918.0	OMZ	MFA Prague, TCH	75 Bd: 1320 ry
18929.5	Y2V 38B	ADN Berlin, DDR	1400 F nx

18930.5	Y2V 38A	ADN Berlin, DDR	1400 E nx
18932.5	XVR 94	PTT Ho Chi Minh Ville, VTN	ARQ-M2 96 Bd: A: 0920 foxes B: 1000 to Stockholm (HOS)
18940.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz
18947.0	SAM	MFA Stockholm, S	75 Bd: 0933 msg (Swedish nx) SITOR-B: 0909+1040+1103+1217 msg SWED-ARQ: 0758+1220+1400 tfc
18962.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0641 msg (5lgs), 0920 msg
18965.0	'RFHJ'	FF Papeete, Tahiti, OCE	ARQ-M2 96 Bd: A: 0000 "controle de voie"
18980.0	LOL	AN Buenos Aires, ARG	SSB
	NBA	USN Balboa, PNR	SSB
	OBC	PN Callao, PRU	SSB
	YWM	VN Maracaibo, VEN	SSB
	5KM	CN Bogota, CLM	SSB
18985.0	OLD 2	CETEKA Prague, TCH	0710-0810+0850-1000 E nx
18990.0	AOK	USN Rota, E	75 Bd: 24 h foxes without ID
18993.5	SOT 299B	PAP Warsaw, POL	SITOR-B: 1200+1400 Polish nx
	SPW	Warsaw R, POL	SITOR-A: 0440+0951-1940 tts; QSX 16701.5 kHz CW
18995.0	SPW	Warsaw R, POL	SSB
19001.7		MFA Cairo, EGY	SITOR-A: 0836-1308 ATU-A msg
19006.7		MFA Cairo, EGY	SITOR-A: 0805+1108+1217 ATU-A msg
19012.0	OST	Oostende R, BEL	SITOR-A: 0623-1907 tts; QSX 16784.5 kHz CW
19013.5	OST 68	Oostende R, BEL	SITOR-B: 0620+0920+1120+1220+ 1320+1820 tfc list
19019.0	NGR	USN Kato Soli, GRC	FAX // 4704.0 kHz $
19029.0	UMS	Moscow, RU, URS	CW
19040.0	LZC 3	Sofia, BUL	75 Bd: 1923 ry CW
19048.7	'RFFA'	MOD Paris, F	ARQ-M2 96 Bd: A: 1505 msg to 'RFTJ' (ISB)
19058.0	OBC	PN Callao, PRU	75 Bd: 1414 foxes
19065.0	MKD	RAF Akrotiri, CYP	VFT: 1352 ryi
19070.0	RRG 25	APN Moscow, RU, URS	100 Bd: 0500+0600+0700 E nx
19071.5		MFA Ottawa, ONT, CAN	CAN-ARQ 96 Bd: 1811 tfc + msgs to Lisbon
19075.5	'DOR'	MFA Sofia, BUL	75 Bd: 0838 msg + msgs (5fgs) to various embassies
19085.0	'DOR'	MFA Sofia, BUL	75 Bd: 1040 ry
19090.0	TTZ 90	STIT N'djamena, TCD	SSB
19098.0	RCV	SN Moscow, RU, URS	CW
19100.0	'RFLI'	FF Fort de France, MRT	ARQ-M2 96 Bd: A: 0706-2356 msgs + encrypted msgs after "KKKK..." + "controle de voie" to 'RFFA' (ALI, BFL, FDI) B: 1428-2322 msgs or encrypted msgs after "KKKK..." or "controle de voie" to 'RFFA' (ALI, BSL)
19101.5		Indonesian E Delhi, IND	1343 msgs to Jakarta
19105.0	RPT 34	TASS Moscow, RU, URS	0400+0700+1200 F nx
19111.5		MFA Jakarta, INS	0710-1513 msg or msg (5lgs) or msg (E nx)
19117.5		MFA Jakarta, INS	SITOR-A: 0754+1141+1301+1351 msgs to Delhi; 1413 msg (E nx); QSX 18491.5 kHz

19127.0	RMC 21	APN Moscow, RU, URS	100 Bd: 0800 F nx
19144.0	'RFTJ'	FF Dakar, SEN	ARQ-M2 96 Bd: A: 1245 "controle de voie" (TJA)
19149.4	AFE 86	USAF Cedar Grove, ATG	SSB
19154.0	EHY 78	PTT Madrid, E	SSB
19160.3	EHY 78	PTT Madrid, E	SSB
19169.0	FPT 7	DTRE Paris, F	VFT: ARQ-M2 96 Bd: A: 0825+1138 Air Afrique data channel to N'djamena
19170.5	FPT 7	DTRE Paris, F	SSB
19171.1	CNM 85X11	MAP Rabat, MRC	0900-1030 A nx, 1200-1400 E nx, 1530-1700 A nx
19173.5	FPT 7	DTRE Paris, F	SSB
19178.0	IRR 31	IINA Rome, I	0800-1300 E nx
19200.0	9BC 32	IRNA Tehran, IRN	1000-1100 E nx
19210.0	RCC 79	TASS Moscow, RU, URS	0800+1200 A nx, 1700+1800 F nx, 2000 A nx
	RIW	SN Khiva, UZ, URS	CW
19215.0	'RFLI'	FF Fort de France, MRT	ARQ-M2 96 Bd: B: 1541+1656+1845 "controle de voie" to 'RFTJ' (LIJ)
19216.2	SAM	MFA Stockholm, S	SSB
19217.2	SAM	MFA Stockholm, S	SWED-ARQ: 0754+1023 msg to SAM 59
	SAM 51	Swedish E Tehran, IRN	SWED-ARQ: 0640 msgs to SAM, 0650 msg (51gs) after "KCKC SSSLLL SSSLLL SSSLLL"
19218.0	SAM 59	Swedish E Hanoi, VTN	SWED-ARQ: 1026 tfc to SAM
19227.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 1500 msg (SC nx) 100 Bd: 1501 ry, 1542 msg
19228.0	Z2F 1	Yugoslav E Harare, ZWE	FEC-A 144 Bd: 0957 msg to 'DFZG'
19238.0	Y7A 75	MFA Berlin, DDR	100 Bd: 1452+2017 tfc
19250.0	MKK	RAF London, G	VFT: 1825 ryi COMB
19260.0	CLP 1	MFA Habana, CUB	1202 msgs
19261.5		VoA Greenvl. fdr., NC, USA	ISB
19266.7		Egyptian E Ankara, TUR	SITOR-A: 1110 ATU-A msg to Cairo
19273.1		R Moscow feeder, RU, URS	SSB
19275.0	RXO 74	Khab. Meteo, SE, URS	FAX // 4516.7 kHz $
19280.0	4UV	UNEP Nairobi, KEN	75 Bd: 0709-1612 ry or msgs
19284.5	LUB	AAF Buenos Aires, ARG	CW
19305.0		UNID station (289)	ARQ-E 192 Bd: 0959+1202+1623+1914 encrypted tfc
19311.0	RDK 26	R Moscow feeder, RU, URS	SSB
19313.0	4UF	UNECA Addis Ababa, ETH	75 Bd: 0549-1454 ry or to 4UZ
19315.4		UNIIMOG Tehran, IRN	75 Bd: 1743 msgs (51gs) to 4UZ
19324.0	AFS	USAF AWS Omaha, NE, USA	75 Bd: 1549-0237 wx
19327.0	AFS	USAF AWS Omaha, NE, USA	FAX // 3232.0 kHz
19357.0		MFA Lagos, NIG	FEC-A 96 Bd: 1600 msgs + tfc to Gaborone
19383.0		PANA Dakar, SEN	0900+1000+1100 E nx, 1500-1900 E/F nx
19385.2	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 1903 "controle de voie"
19390.0	Y7A 76	MFA Berlin, DDR	0450-1627 ry or tfc CW
19397.0		GDR E Addis Ababa, ETH	100 Bd: 0959 tfc to Berlin
19400.0	VVD 69	Delhi Meteo, IND	0040-1400 wx
19405.0	AYA	INTERPOL Buenos Aires, ARG	SITOR-A: 1628+1705+1908 msgs, 2135 tfc

19405.0	FSB 63	INTERPOL Paris, F	SITOR-A: 0012+0647-1756 tfc + msg or encrypted tfc CW
19417.0	'RFFA'	MOD Paris, F	ARQ-E3 48 Bd: 1425+1900 "controle de voie" (IGU)
19425.5	SAM	MFA Stockholm, S	SITOR-A: 0500 msg SWED-ARQ: 0516 tfc to SAM 98, 0738 msgs to SAM 54
	SAM 98	Swedish E Manila, PHL	SWED-ARQ: 0901 tfc to SAM
19430.0	MKD	RAF Akrotiri, CYP	VFT: 1020-2148 ryi COMB
19434.6	9RE 395	PTT Lubumbashi, ZAI	ARQ-M2 96 Bd: A: 0809 to ORI 49 B: 0617-0811+1505-1630 to ORI 49
19435.7	9RE 395	PTT Lubumbashi, ZAI	SSB
19438.5	LOR	AN Puerto Belgrano, ARG	75 Bd: 1104+1820+2156+2252 msgs (5lgs) (PNR)
19439.0	CLP 1	MFA Habana, CUB	1615+1640 msg to Sao Tome
19443.0	Y7A 77	MFA Berlin, DDR	0642-2139 ry or tfc 100 Bd: 0450 ry
19449.0	VTK	IN Tuticorin, IND	CW
19450.5	VTP 80	IN Vishakhapatnam, IND	CW
19455.0	CLP 1	MFA Habana, CUB	CW
19460.0	Y2V 48	ADN Berlin, DDR	0600+0900 E nx
19460.7	KNY 23	Czech E Washington, DC, USA	75 Bd: 1348-1913 msgs or msg (5lgs) to OMZ
19473.0	AQP 9	PN Karachi, PAK	CW
19480.0		VoA Greenvl. fdr., NC, USA	ISB
19488.2	UDH	Riga R, LA, URS	SITOR-A: 0931 tts CW
19495.5	9RL 394	PTT Kinshasa, ZAI	SSB
19497.3	9RL 394	PTT Kinshasa, ZAI	ARQ-M2 96 Bd: A: 1558 tfc
19501.5		Indonesian E Delhi, IND	SITOR-A: 0319+0430+0903+0947 tfc to Jakarta; QSX 18401.5 kHz
19505.0	RCD 36	PL Moscow, RU, URS	0700 P nx, 0800 F nx, 0900+1000 P nx, 1100 F nx, 1200+1300+1400 P nx
19510.0	GKX ..	Portishead Air, G	SSB
19516.5		MFA Rome, I	SITOR-A: 0619+0727+1447 msg (5lgs)
19529.0	JMG 5	Tokyo Meteo, J	0354-2132 wx
19541.7		MFA Cairo, EGY	SITOR-A: 1244 ATU-A msg
19542.8	ORI 59	RTT Brussels, BEL	SSB
19546.0	ORI 59	RTT Brussels, BEL	SSB
19553.7		Egyptian E Conakry, GUI	SITOR-A: 1130+1402 ATU-A msgs to Cairo
19576.0	ORI 49	RTT Brussels, BEL	ARQ-M2 96 Bd: A: 1242+1558+1605 to 9RE 395 B: 0625-1805 to 9RE 395 (LUMR)
19577.5	ORI 49	RTT Brussels, BEL	SSB
19600.0	RUU 78	Leningrad Meteo, RU, URS	(hx 4900.0 kHz)
19622.0	SAM	MFA Stockholm, S	SWED-ARQ: 1000 tfc to SAM 34
	SAM 34	Swedish E Harare, ZWE	SWED-ARQ: 1001 msgs to SAM
19635.0	'P6Z'	MFA Paris, F	FEC-A 144 Bd: 0700 msg (F nx), 0718+1502 msg (5lgs), 1550 msg (F nx), 1625 msgs to 'Z4D'
19641.1	'J5W'	French E Rabat, MRC	100 Bd: 1530 s. on with clg 'P6Z' CW
19644.0		MFA Lagos, NIG	FEC-A 96 Bd: 1528 tfc
19645.0	'RFTJ'	FF Dakar, SEN	ARQ-E3 48 Bd: 1311+1340 "controle de voie" to 'RFFA' (SGI)
19671.5		MFA Rome, I	SITOR-A: 0920+0940 msg (5lgs) + tfc

19680.0 - 19800.0 MARITIME MOBILE < 520B 532 >

19680.0	Y7A 77	MFA Berlin, DDR	1650 ry
	3MA 23	CNA Taipei, TAI	FAX // 5117.0 kHz CW
19680.5	*worldwide*	*NBDPT MSI frequency*	
19682.8	ARA	Karachi Meteo, PAK	0735 wx
19690.0	AXM 37	Canberra Meteo, ACT, AUS	0015 ry, 1635 test (wx) FAX // 2628.0 kHz $
19693.0	FTT 69	DTRE Paris, F	SSB
19696.3	FTT 69	DTRE Paris, F	SSB
19697.0	'RFLI'	FF Fort de France, MRT	ARQ-M2 96 Bd: B: 0747 "controle de voie"
19700.0	Y7A 78	MFA Berlin, DDR	1536+1750+1805 ry
19723.0	Y2V 39	ADN Berlin, DDR	0700+0800+0900 E nx
19725.0	APN	APN Moscow, RU, URS	100 Bd: 0700+0900 F nx
		R Moscow feeder, RU, URS	SSB
19731.5	PCW 1	MFA Den Haag, NLD	SITOR-A: 0756 tfc to PCW 6; QSX 18498.5 kHz
19747.5	6VU 79	Dakar Meteo, SEN	0408-2218 ry or wx
19751.5	6VU 79	Dakar Meteo, SEN	FAX // 13669.5 kHz
19771.0	'0'	IA Dublin, IRL	SSB
	'37'	Irish UNIFIL Beirut, LBN	SSB
19782.0	ARL 16	Karachi, PAK	CW
19792.5	'71 HGE'	SN Las Palmas, CNR	75 Bd: 0830 ry
		VoA La Union, Poro Island, PHL	75 Bd: 0000-1000 E nx, 1000+1100 F nx

19800.0 - 19990.0 FIXED

19810.4	OEC	MFA Vienna, AUT	SI-ARQ 96 Bd: 5 characters: 1403 tfc
19814.8		VoA Tanger, MRC	(sp 19914.8 kHz)
19821.5	4UZ	UNO Geneva, SUI	SITOR-A: 0738-1553 ry or clg or msgs to Khartoum
19821.7		Egyptian E Khartoum, SDN	SITOR-A: 1256 clg Cairo, 1738 ATU-A tfc to Cairo
19822.5	5AF	Tripoli Air, LBY	1502 ry, 1543+2300 msgs (LSA)
19830.0	RWW 76	R Moscow feeder, RU, URS	SSB
19836.5		MFA Lagos, NIG	FEC-A 96 Bd: 1258 encrypted tfc, s. off
19845.0	RWZ 74	TASS Moscow, RU, URS	0600+0700 E nx
19858.0	NPN	USN Apra Harbour, GUM	FAX // 7894.0 kHz $
19860.0	GYA	RN London, G	75 Bd: 0428-1900 test
19865.5	YZJ 4	TANJUG Belgrade, YUG	1400+1500+1600 S nx
19875.0	GYA	RN London, G	75 Bd: 0912 test
19885.0	Y7A 79	MFA Berlin, DDR	0704+0819+1645 ry or tfc 100 Bd: 0629 ry
19891.1	COP	Yright Klingenfuss, D	7400 Tübingen F. R. Germany
19895.0	MKD	RAF Akrotiri, CYP	VFT: 0756+1111 ryi COMB
19914.8		VoA Tanger, MRC	75 Bd: 0800-1000 E nx, 1000-1200 F nx, 1200 E nx
19940.0	JMH 3	Tokyo Meteo, J	(hx 9970.0 kHz)
19951.7		Egyptian E Washington, DC, USA	SITOR-A: 1740 msg (51gs) + ATU-A msg to Cairo
19961.0	AFE 83	USAF Wideawake, ASC	COMB
	CLP 1	MFA Habana, CUB	2020 ry
19962.0		Turkish E Tokyo, J	FEC-A 144 Bd: 0824+0909 msg to TAD
19970.0	PBC 919	DN Goeree Island, NLD	75 Bd: 1043+1250 ry CW

19980.0	**9BC 33**	**IRNA Tehran, IRN**	**1000-1100 E nx, 1100-1200 A nx, 1600+1700 E nx**

19990.0 – 19995.0 STANDARD FREQUENCY AND TIME SIGNAL + Space Research < 501 >

19993.0	*worldwide*	*MSV SAR operations frequency*	*SSB*

19995.0 – 20010.0 STANDARD FREQUENCY AND TIME SIGNAL < 501 >

20000.0	WWV	Fort Collins TS, CO, USA	COMB
20008.0	**HGX 59**	**Hung. E Dar es Sm., TZA**	**0700 clg HGX 21**

20010.0 – 21000.0 FIXED + Mobile

20010.0	SAM	MFA Stockholm, S	SSB
	SAM 70	Swedish E Addis Ababa, ETH	SSB
20012.0	**SAM**	**MFA Stockholm, S**	**SWED-ARQ: 0618+0704+0730 tfc, 0852 tfc to SAM 70, 1005 msg to SAM 52**
	SAM 52	**Swedish E Tel Aviv, ISR**	**SWED-ARQ: 1007 tfc to SAM, 1013 msg to SAM**
	SAM 70	**Swedish E Addis Ababa, ETH**	**75 Bd: 0742+0851 msg to SAM** **SWED-ARQ: 0700 msg (press review) to SAM**
20014.8		**VoA Tanger, MRC**	**(sp 19914.8 kHz)**
20015.0	NAM	USN Norfolk, VA, USA	FAX // 3357.0 kHz $
20019.4	**DFU 20L1**	**DW Cologne, D**	**0915+0927 ry, 0937 tfc to Trincomalee**
20020.0	**Y7A 80**	**MFA Berlin, DDR**	**1144-1947 ry or tfc**
20022.0		**UNID station (189)**	**ARQ-E 192 Bd: 0930 encrypted tfc**
20022.4	**DFU 20H3**	**PIAB Bonn, D**	**FEC-A 96 Bd: 1500+1600+1700 G nx**
20035.0	**CLP 1**	**MFA Habana, CUB**	**1542 tfc, 1700 msgs to CLP 45**
	HEK 7	Berne Air, SUI	SSB
20037.0		**MFA Lagos, NIG**	**FEC-A 96 Bd: 1008 msg (5lgs), 1352 msg, 1804 tfc**
20051.7		**MFA Cairo, EGY**	**SITOR-A: 0725 ATU-A tfc**
20053.5		**Italian E Nairobi, KEN**	**SITOR-A: 1234 msg (5lgs) to Rome**
20062.5		**FRG E Kuala Lumpur, MLA**	**ARQ-E 96 Bd: 0749 msgs to Bonn**
20065.0	GKX ..	Portishead Air, G	SSB
20066.8		**FRG E Delhi, IND**	**ARQ-E 96 Bd: 0513 tfc to Bonn**
20078.0	**FTU 8B**	**DIPLO Paris, F**	**0100+0200+0300+0600+0900-2200 F nx**
20085.0	**ISX 20**	**ANSA Rome, I**	**0800 E nx, 0900 F nx, 1100+1200 E nx, 1400 F nx, 1500 E nx, 1600 F nx**
20092.6	**LBL 1**	**Norw. UNIFIL Beirut, LBN**	**SITOR-A: 0622 msg to Oslo**
20110.0	**CLP 1**	**MFA Habana, CUB**	**1303 msgs to Cotonou, 1320 msg (5lgs) to Accra, 2122 msgs to Luanda**
20116.0	**FJY 2**	**DTRE Pt.-aux-Franc., KER**	**0845 ry, to Paris**
20132.0	**'DFZG'**	**MFA Belgrade, YUG**	**75 Bd: 0530 ry, msg (SC press review)**
20144.0	7RQ 20	MFA El Djaza'ir, ALG	CW
	7RQ 50	Algerian E Jakarta, INS	CW
	7RQ 70	Algerian E Islamabad, PAK	CW

20157.7	**5KM**	**CN Bogota, CLM**	**75 Bd: 2011 ry**
20162.0		**Italian E Cairo, EGY**	**SITOR-A: 1428 msg to Rome**
20170.0	**Y7A 81**	**MFA Berlin, DDR**	**0814-1045 ry**
20178.0	**'RFFA'**	**MOD Paris, F**	**ARQ-M2 96 Bd: A: 0937 encrypted tfc after "KKKK..." B: 1157 "controle de voie" to 'RFVI', 1533 msg (IRE)**
20187.0	**IRS 41**	**IINA Rome, I**	**1200-1400 A nx**
20188.5		many USAF MARS stations	SSB
20190.3	**CLP 1**	**MFA Habana, CUB**	**0437 msgs to Hanoi**
20192.0	AFE 70	USAF Cp. Canaveral, FL, USA	SSB
	AFE 83	USAF Wideawake, ASC	SSB
20195.0	**CLP 1**	**MFA Habana, CUB**	**0728 msg**
20204.0	**YZJ**	**TANJUG Belgrade, YUG**	**1200 F nx, 1300+1400 E nx**
20210.0	**RKA 79**	**TASS Moscow, RU, URS**	**(hx 10105.0 kHz)**
20222.0	ZEN 96	REUTER	FAX // 4474.0 kHz
		Victoria Island, HKG	CW
20225.0	NAM	USN Norfolk, VA, USA	CW
20240.0	**RGI 24**	**TASS Moscow, RU, URS**	**(hx 10120.0 kHz)**
20245.0	**9VF 228**	**ANSA Singapore, SNG**	**0645 E nx**
20260.0	RBW 48	Murmansk Meteo, RU, URS	(hx 10130.0 kHz)
20267.6	**'RFFXI'**	**FF Bangui, CAF**	**ARQ-E 72 Bd: 1300-1733 to 'RFFX' (XZI)**
20280.0	RTU 48	R Moscow feeder, RU, URS	SSB
20286.5	**SPW**	**Warsaw R, POL**	**SITOR-A: 0710+0732 tts; QSX 22226.0 kHz**
			CW
20290.0	**MKD**	**RAF Akrotiri, CYP**	**VFT: 0755-1803 ryi**
			COMB
20300.5	**GYA**	**RN London, G**	**75 Bd: 1308+1710+1850 test**
20311.8	**FTU 31B.G**	**AFP Paris, F**	**0700-1800 E nx**
20313.2	**FTU 31B.F**	**AFP Paris, F**	**0700-1800 F nx**
20315.0	**FTU 31**	**DIPLO Paris, F**	**0900+1000+1100 F nx**
20320.0	**SNN 299**	**MFA Warsaw, POL**	**75 Bd: 0712 msg**
20325.0	**'DOR'**	**MFA Sofia, BUL**	**75 Bd: 0851+0900 ry, 0940+1000 msg**
20327.5	**6VK 221**	**PANA Dakar, SEN**	**1500 E/F nx**
20330.0	**MKD**	**RAF Akrotiri, CYP**	**VFT: 0732-1800 ryi**
			COMB
20338.0	**D6B 403**	**PTT Moroni, COM**	**VFT: ARQ-M2 96 Bd: A: 1522 to Paris**
20343.2	D6B 403	PTT Moroni, COM	SSB
20346.5	D6B 403	PTT Moroni, COM	SSB
20348.1	**AOK**	**USN Rota, E**	**75 Bd: 0802+1103+1534 foxes without ID**
20350.0	**NBA**	**USN Balboa, PNR**	**75 Bd: 1225-2007 ry**
20351.5	**9RE 203**	**PTT Lubumbashi, ZAI**	**ARQ-M2 96 Bd: B: 1556 tfc (LUM)**
20352.0	**'DOR'**	**MFA Sofia, BUL**	**75 Bd: 1030 ry**
20372.0	**IRS 23**	**ANSA Rome, I**	**1500 E nx, 1600 F nx**
20385.0	**'RFFX'**	**FF Versailles, F**	**ARQ-E 72 Bd: 0756 tfc to 'RFFXI', 1423 msgs + encrypted tfc after "KKKK..." to 'RFFXI' (XXI)**
20401.5		**Indonesian E Dar es Salaam, TZA**	**SITOR-A: 0919+1032 msgs to Jakarta**
20405.0	**CLP 1**	**MFA Habana, CUB**	**2030 msgs to CLP 18**
			CW
20420.0	D6B 404	PTT Moroni, COM	SSB
	Y2V 20	**ADN Berlin, DDR**	**0800 A nx**
20421.5		**FRG E Nouakchott, MTN**	**ARQ-E 96 Bd: 1415 encrypted msg + tfc to Bonn**
		FRG E Tel Aviv, ISR	**ARQ-E 96 Bd: 0600 msg to Bonn**

20425.0	MKD	RAF Akrotiri, CYP	0713 test
20429.0	'U'	Beacon Murmansk, RU, URS	CW (hx 10214.5 kHz)
20430.0	IRS 24	ANSA Rome, I	0800 E nx, 0900 F nx, 1000+1100+1200 E nx, 1400 F nx, 1500 E nx, 1600 F nx
20434.0	CLP 1	MFA Habana, CUB	CW
20454.7	CLP 6	Cuban E Damascus, SYR	1015 msgs to CLP 1
20456.5	'C37'	UNID station (689)	100 Bd: 1505 tfc; into ARQ-E 192 Bd: 1507 encrypted tfc
20465.7	4UA	UNO Rawalpindi, PAK	VFT: 75 Bd: 0715+0955 ry
20473.5	CXR	UN Montevideo, URG	75 Bd: 1258-2314 ry or to HDN or LOL or NBA or OBC or PWZ or 5KM
20482.5		VoA La Union, P. I., PHL	75 Bd: 0000-0700 E nx
20484.0	RIT	SN Vaygach, RU, URS	CW
20490.0	AQP 10	PN Karachi, PAK	CW
20505.0		UNID station (1288)	ARQ-E 192 Bd: 1310+1442 encrypted tfc
20556.6	'P6Z'	MFA Paris, F	FEC-A 144 Bd: 0740 msg (5lgs)
20560.0		JANA Tripoli, LBY	1600+1700 E nx
20590.3	HBD 20	MFA Berne, SUI	SITOR-A: 1452 tfc to HBD 46
	HBD 46	Swiss E Habana, CUB	SITOR-A: 1620 msgs to HBD 20
20598.0	HBD 20	MFA Berne, SUI	SITOR-A: 0745+1606+1746 tfc to HBD 33 or KNY 27
	KNY 27	Swiss E Washington, DC, USA	SITOR-A: 1746 msg (5lgs) to HBD 20
20600.0	VLB	MFA Canberra, ACT, AUS	SSB
20603.2	HBD 20	MFA Berne, SUI	SITOR-A: 0854 tfc to Soul
	HBD ..	Swiss E Soul, KOR	SITOR-A: 0854 tfc + msgs to HBD 20
20605.0	SAM	MFA Stockholm, S	SSB
20605.3	HBD 20	MFA Berne, SUI	SITOR-A: 1200+1242 tfc
	HBD 32	Swiss E Brasilia, B	SITOR-A: 1806 tfc to HBD 20
	HBD 61	Swiss E Cairo, EGY	SITOR-A: 1149 msgs to HBD 20
	HBD 71	Swiss E Tel Aviv, ISR	SITOR-A: 0935+1242 tfc to HBD 20
20615.0	OLG 4	PTT Prague, TCH	(hx 10307.5 kHz)
20619.0	OMZ	MFA Prague, TCH	75 Bd: 1500 msgs to KNY 23
20627.5	9KT ...	KUNA Safat, KWT	0800-2000 E nx
20631.5	9KT ...	KUNA Safat, KWT	0700-2100 A nx
20632.0	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: B: 1005+1150 msgs to 'RFFA', 1750 "controle de voie" to 'RFFA' (REI)
20655.7	DFU 65	DPA Hamburg, D	0800-1800 E nx
20698.0		SAF Moscow, RU, URS	SSB
20700.0	SAM 34	Swedish E Harare, ZWE	SWED-ARQ: 1318 tfc to SAM 70
	SAM 70	Swd. E Addis Ababa, ETH	SWED-ARQ: 1318 msgs to SAM 34
20710.0		APN Moscow, RU, URS	100 Bd: 0400 R nx wtsca
20715.0	'RFTJD'	FF Douala, CME	ARQ-E3 48 Bd: 1628 msg or encrypted tfc after "KKKK..." to 'RFTJF' (ITF)
20720.0	PPX	EMBRATEL Rio de Janeiro, B	SSB
20734.0		UNO Kabul, AFG	SITOR-A: 0724 tfc to 4UZ
20735.0		MFA Lagos, NIG	FEC-A 96 Bd: 1700 msg (E nx)
20736.0	LSA 600	AP Buenos Aires, ARG	FAX // 5777.5 kHz
20741.1	VER	CF Ottawa, ONT, CAN	ARQ-M2 96 Bd: A: 1730 encrypted tfc
20753.0	HBC 88	ICRC Geneva, SUI	SSB
	6TR 88	ICRC Khartoum, SDN	SSB
20754.4	5XR 88	ICRC Kampala, UGA	SITOR-A: 0850+1320-1450 msgs to HBC 88

20765.2	CLP 3	Cuban E Beirut, LBN	0720 msgs CW
20765.5	CLP 4	Cuban E Bissau, GNB	CW
20787.0	CLP 1	MFA Habana, CUB	1628 msg
20795.0	RBX 58	TASS Moscow, RU, URS	1600 F nx
20800.0		Czech E Cotonou, BEN	75 Bd: 1340 final tfc to OMZ, s. off
20801.5	T6U 24	ICRC Kabul, AFG	SITOR-A: 0800-1340 msgs to HBC 88
20805.2	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 1020 "controle de voie" to 'RFFA' (QPE) B: 0720 "controle de voie" to 'RFFA' (QPF)
20812.0	'RFTJD'	FF Douala, CME	ARQ-E3 48 Bd: 1504+1645 "controle de voie" to 'RFFA' (FTI)
20817.4	D6B 408	PTT Moroni, COM	SSB
20818.0	D6B 408	PTT Moroni, COM	VFT: ARQ-M2 96 Bd: A: 1426 to Paris
20823.7	D6B 408	PTT Moroni, COM	SSB
20827.1	HSF 212WSN	Thai E W., DC, USA	100 Bd: 1356 msgs to HSF 212BKK
20850.0	NBA	USN Balboa, PNR	75 Bd: 2155 ry
20854.0	FTU 86	DTRE Paris, F	SSB
20855.0	'RFQP'	FF Jibuti, DJI	ARQ-M2 96 Bd: B: 1400+1800 "controle de voie" to 'RFTJ' (FKO)
20860.2	FTU 86	DTRE Paris, F	SSB
20863.0	FDY	FAF Orleans, F	0857-1714 ry
20863.2	FTU 86	DTRE Paris, F	SSB
20870.0	HET 77	Berne Air, SUI	SSB
	ZAY	ATA Tirana, ALB	(hx 10435.0 kHz)
20885.0	AFH	USAF Albrook AFB, Blb., PNR	SSB
20901.3	'3G5'	Czech E El Djaza'ir, ALG	75 Bd: 1503 msg (5fgs) + tfc to OMZ
20910.0	9VF 232	ANSA Singapore, SNG	0645 E nx
20919.5	CLP 1	MFA Habana, CUB	1854 msg (5fgs)
20922.0	SAM	MFA Stockholm, S	SWED-ARQ: 1124 tfc to SAM 76
	SAM 76	Swedish E Pretoria, AFS	SWED-ARQ: 1124 msg to SAM
20925.8	CLP 22	Cuban E Hanoi, VTN	0625 msgs to CLP 1, into 75 Bd: 0628 msgs to CLP 1
20930.0	ZUD 47	PTT Pretoria, AFS	SSB
20933.5	SOV 293B	PAP Warsaw, POL	SITOR-B: 1200 Polish nx
20936.0		many USN MARS stations	SSB
20936.5	SOV 293A	PAP Warsaw, POL	1200 Polish nx
20940.5		ICRC Kabul, AFG	SITOR-A: 1220 msg to HBC 88
20942.0	T6U 24	ICRC Kabul, AFG	SSB
20946.0	OEY 32	AA Salzburg, AUT	SSB
	OEY 632	Austr. UNFICYP Larnaca, CYP	SSB
20947.0	SAM	MFA Stockholm, S	SWED-ARQ: 0746 msgs + tfc
20950.0		UNID station (1288)	ARQ-E 192 Bd: 1351+1500 encrypted tfc
20954.7		MFA Accra, GHA	CW
20960.0	SAM	MFA Stockholm, S	SITOR-B: 0900 msg (Swedish nx) SWED-ARQ: 1015 msg + msgs (5lgs) after "CCCC KCKC SSSLLLSSSLLLSSSLLL" to SAM 46
	SAM 46	Swedish E Baghdad, IRQ	SWED-ARQ: 1016 tfc + msg (5lgs) after "SSSLLLSSSLLLSSSLLL" to SAM
	9VF 233	KYODO Singapore, SNG	0430-0600+0610-0640+1000-1100 E nx
20962.0		many CFARS stations	SSB
20970.0	MKK	RAF London, G	VFT: 1502 ryi COMB

20970.0		many CFARS stations	SSB
20980.0	MKD	RAF Akrotiri, CYP	VFT: 1308+1511 ryi COMB
20990.0	SAM	MFA Stockholm, S	SWED-ARQ: 0858 tfc to SAM 62
	SAM 62	Swedish E Beijing, CHN	SWED-ARQ: 0858 msgs to SAM
20991.5	'D'	Beacon Odessa, UK, URS	CW
20991.7	'S'	Beacon Arkhangelsk, RU, URS	CW
20992.0	'C'	Beacon Moscow, RU, URS	CW
20992.2	'P'	Beacon Kaliningrad, RU, URS	CW
20992.5	'M'	Beacon Magadan, FE, URS	CW
20993.0	'F'	Beacon Vladivostok, SE, URS	CW
20994.0	'O'	Beacon Moscow, RU, URS	CW
		many USA MARS stations	SSB
20995.7	'RFPTC'	FF N'djamena, TCD	ARQ-M2 200 Bd: A: 1613 encrypted msg after "KKKK..." to 'RFFA' B: 1530 msg (51gs) to 'RFFA'
20996.0	CLP 1	MFA Habana, CUB	2017 msg (S nx)
20996.5	EPR 88	ICRC Tehran, IRN	SITOR-A: 1430 tfc to HBC 88
	HBC 88	ICRC Geneva, SUI	SITOR-A: 1430 msgs to EPR 88

21000.0 - 21450.0 AMATEUR + AMATEUR-SATELLITE < 510 >

21060.0		MFA Islamabad, PAK	SITOR-A: 1400 msgs to Berne
21200.0	XVN 37	VNA Hanoi, VTN	(hx 10600.0 kHz)
21270.0	SUC	Cairo Air, EGY	(hx 10635.0 kHz)
21285.0	UMS	Moscow, RU, URS	CW
21340.0	RDM 78	Tbilisi Meteo, GE, URS	(hx 5335.0 kHz)
21350.0	REM 51	TASS Moscow, RU, URS	(hx 10675.0 kHz)
21380.0	RIW	SN Khiva, UZ, URS	CW (hx 10690.0 kHz)

21450.0 - 21850.0 BROADCASTING < 531 >

21756.4	DFV 75L1	DW Cologne, D	0916+0927 ry
21760.0	NRV	USCG Apra Harbour, GUM	CW
21763.5	LJA 21	Norwegian E Tel Aviv, ISR	SSB
21764.0	RCV	SN Moscow, RU, URS	CW
	RIW	SN Khiva, UZ, URS	CW
21765.0	GKX 71	Portishead Air, G	SSB
21767.0	9XK 79	DW Kigali, RRW	0840-1015 ry or msgs to Cologne
21770.0	LRO 89	REUTER Bs. Aires, ARG	FAX // 13753.5 kHz
21790.0	GYU	RN Gibraltar, GIB	75 Bd: 0841 clg + msg to 'IAJV'
21807.5	YOV 28	AGERPRES Bucharest, ROU	0700+0800 E nx
21833.0	NBA	USN Balboa, PNR	75 Bd: 1858 ry
21839.0	NPM	USN Pearl Harbour, HWA	FAX // 2122.0 kHz $
21844.7	PCW 1	MFA Den Haag, NLD	SITOR-A: 1642 tfc CW

21850.0 - 21870.0 FIXED < 539 >

21853.0		MFA Islamabad, PAK	SITOR-A: 1247 msg to Paris
		Pakistan E Paris, F	SITOR-A: 1247 tfc to Islamabad
21855.0	ONN 41	Benin E Brussels, BEL	CW
		Benin E London, G	CW/SSB
		MFA Cotonou, BEN	CW
21858.0		MFA Oslo, NOR	SITOR-A: 0602+0857+1257 tfc
21862.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0550 msg (SC press review), 1036 msg

21870.0 - 21924.0 AERONAUTICAL FIXED

21924.0 - 22000.0 AERONAUTICAL MOBILE (R)

21940.0		AMS = W I	SSB	
21943.0		AMS = W V	SSB	
21946.0		AMS = W I	SSB	
21949.0		AMS = W III	SSB	
21952.0		AMS = W I	SSB	
21955.0		AMS = W IV	SSB	
21958.0		AMS = W I	SSB	
21961.0		AMS = W V	SSB	
21964.0		AMS = W II	SSB	
	BAP 40	**XINHUA Beijing, CHN**	**(hx 10982.0 kHz)**	
21966.0	**TAD**	**MFA Ankara, TUR**	**FEC-A 144 Bd: 0450 msg (51gs)**	
21967.0		AMS = W I	SSB	
21970.0		AMS = W III	SSB	
21973.0		AMS = W I	SSB	
21976.0		AMS = W IV	SSB	
21979.0		AMS = W I	SSB	
21982.0		AMS = W V	SSB	
21985.0		AMS = W II	SSB	
21988.0		AMS = W I	SSB	
21991.0		AMS = W IV	SSB	
21994.0		AMS = W V	SSB	
21997.0		AMS = W I	SSB	

22000.0 - 22855.0 MARITIME MOBILE < 520B 532 540 >

22000.0		ship stations, ch 2201	SSB	QSX 22596.0 kHz
22003.1		ship stations, ch 2202	SSB	QSX 22599.1 kHz
22006.2		ship stations, ch 2203	SSB	QSX 22602.2 kHz
22009.3		ship stations, ch 2204	SSB	QSX 22605.3 kHz
22012.4		ship stations, ch 2205	SSB	QSX 22608.4 kHz
22015.5		ship stations, ch 2206	SSB	QSX 22611.5 kHz
22018.6		ship stations, ch 2207	SSB	QSX 22614.6 kHz
22021.7		ship stations, ch 2208	SSB	QSX 22617.7 kHz
22024.8		ship stations, ch 2209	SSB	QSX 22620.8 kHz
22027.9		ship stations, ch 2210	SSB	QSX 22623.9 kHz
22031.0		ship stations, ch 2211	SSB	QSX 22627.0 kHz
22034.1		ship stations, ch 2212	SSB	QSX 22630.1 kHz
22037.2		ship stations, ch 2213	SSB	QSX 22633.2 kHz
22040.3		ship stations, ch 2214	SSB	QSX 22636.3 kHz
22043.4		ship stations, ch 2215	SSB	QSX 22639.4 kHz
22046.5		ship stations, ch 2216	SSB	QSX 22642.5 kHz
22049.6		ship stations, ch 2217	SSB	QSX 22645.6 kHz
22052.7		ship stations, ch 2218	SSB	QSX 22648.7 kHz
22055.8		ship stations, ch 2219	SSB	QSX 22651.8 kHz
22058.9		ship stations, ch 2220	SSB	QSX 22654.9 kHz
22062.0		ship stations, ch 2221	SSB	QSX 22658.0 kHz
		(worldwide calling frequency)		
22065.1		ship stations, ch 2222	SSB	QSX 22661.1 kHz
22068.2		ship stations, ch 2223	SSB	QSX 22664.2 kHz
22071.0	CCS	CN Santiago, CHL	FAX // 4766.0 kHz	$
22071.3		ship stations, ch 2224	SSB	QSX 22667.3 kHz
22074.4		ship stations, ch 2225	SSB	QSX 22670.4 kHz
22077.5		ship stations, ch 2226	SSB	QSX 22673.5 kHz
22080.6		ship stations, ch 2227	SSB	QSX 22676.6 kHz
22083.7		ship stations, ch 2228	SSB	QSX 22679.7 kHz

22086.8		ship stations, ch 2229	SSB	QSX 22682.8 kHz
22089.9		ship stations, ch 2230	SSB	QSX 22685.9 kHz
22093.0		ship stations, ch 2231	SSB	QSX 22689.0 kHz
22094.5		Roseau Port R, DMA	SSB	
22096.1		ship stations, ch 2232	SSB	QSX 22692.1 kHz
22099.2		ship stations, ch 2233	SSB	QSX 22695.2 kHz
22102.3		ship stations, ch 2234	SSB	QSX 22698.3 kHz
22105.4		ship stations, ch 2235	SSB	QSX 22701.4 kHz
22108.5		ship stations, ch 2236	SSB	QSX 22704.5 kHz
22111.6		ship stations, ch 2237	SSB	QSX 22707.6 kHz
22114.7		ship stations, ch 2238	SSB	QSX 22710.7 kHz
22117.8		ship stations, ch 2239	SSB	QSX 22713.8 kHz
22120.9		ship stations, ch 2240	SSB	QSX 22716.9 kHz
22124.0	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
22127.1	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
22130.2	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
22133.3	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
22136.4	*worldwide*	*coast and ship stations simplex frequency*	*SSB*	
22192.5		**ship stations, series 1**	**QSX 22561.5 kHz**	
22193.0		**ship stations, series 2**	**QSX 22562.0 kHz**	
22193.5		**ship stations, series 3**	**QSX 22562.5 kHz**	
22194.0		**ship stations, series 4**	**QSX 22563.0 kHz**	
22194.5		**ship stations, series 5**	**QSX 22563.5 kHz**	
22195.0		**ship stations, series 6**	**QSX 22564.0 kHz**	
22195.5		**ship stations, series 7**	**QSX 22564.5 kHz**	
22196.0		**ship stations, series 8**	**QSX 22565.0 kHz**	
22196.5		**ship stations, series 9**	**QSX 22565.5 kHz**	
22197.0		**ship stations, series 10**	**QSX 22566.0 kHz**	
22197.5		**ship stations, series 11**	**QSX 22566.5 kHz**	
22198.0		**ship stations, series 12**	**QSX 22567.0 kHz**	
22198.5		**ship stations, series 13**	**QSX 22567.5 kHz**	
22199.0		**ship stations, series 14**	**QSX 22568.0 kHz**	
22199.5		**ship stations, series 15**	**QSX 22568.5 kHz**	
22200.0		**ship stations, series 16**	**QSX 22569.0 kHz**	
22200.5		**ship stations, series 17**	**QSX 22569.5 kHz**	
22201.0		**ship stations, series 18**	**QSX 22570.0 kHz**	
22201.5		**ship stations, series 19**	**QSX 22570.5 kHz**	
22202.0		**ship stations, series 20**	**QSX 22571.0 kHz**	
22202.5		**ship stations, series 21**	**QSX 22571.5 kHz**	
22203.0		**ship stations, series 22**	**QSX 22572.0 kHz**	
22203.5		**ship stations, series 23**	**QSX 22572.5 kHz**	
22204.0		**ship stations, series 24**	**QSX 22573.0 kHz**	
22204.5		**ship stations, series 25**	**QSX 22573.5 kHz**	
22205.0		**ship stations, series 26**	**QSX 22574.0 kHz**	
22205.5		**ship stations, series 27**	**QSX 22574.5 kHz**	
22206.0		**ship stations, series 28**	**QSX 22575.0 kHz**	
22206.5		**ship stations, series 29**	**QSX 22575.5 kHz**	
22207.0		**ship stations, series 30**	**QSX 22576.0 kHz**	
22207.5		**ship stations, series 31**	**QSX 22576.5 kHz**	
22208.0		**ship stations, series 32**	**QSX 22577.0 kHz**	
22208.5		**ship stations, series 33**	**QSX 22577.5 kHz**	
22209.0		**ship stations, series 34**	**QSX 22578.0 kHz**	
22209.5		**ship stations, series 35**	**QSX 22578.5 kHz**	
22210.0		**ship stations, series 36**	**QSX 22579.0 kHz**	
22210.5		**ship stations, series 37**	**QSX 22579.5 kHz**	
22211.0		**ship stations, series 38**	**QSX 22580.0 kHz**	
22211.5		**ship stations, series 39**	**QSX 22580.5 kHz**	

22212.0		**ship stations, series 40**	**QSX 22581.0 kHz**
22212.5		**ship stations, series 41**	**QSX 22581.5 kHz**
22213.0		**ship stations, series 42**	**QSX 22582.0 kHz**
22213.5		**ship stations, series 43**	**QSX 22582.5 kHz**
22214.0		**ship stations, series 44**	**QSX 22583.0 kHz**
22214.5		**ship stations, series 45**	**QSX 22583.5 kHz**
22215.0		**ship stations, series 46**	**QSX 22584.0 kHz**
22215.5		**ship stations, series 47**	**QSX 22584.5 kHz**
22216.0		**ship stations, series 48**	**QSX 22585.0 kHz**
22216.5		**ship stations, series 49**	**QSX 22585.5 kHz**
22217.0		**ship stations, series 50**	**QSX 22586.0 kHz**
22217.5		**ship stations, series 51**	**QSX 22586.5 kHz**
22218.0		**ship stations, series 52**	**QSX 22587.0 kHz**
22218.5		**ship stations, series 53**	**QSX 22587.5 kHz**
22219.0		**ship stations, series 54**	**QSX 22588.0 kHz**
22219.5		**ship stations, series 55**	**QSX 22588.5 kHz**
22220.0		**ship stations, series 56**	**QSX 22589.0 kHz**
22220.5		**ship stations, series 57**	**QSX 22589.5 kHz**
22221.0		**ship stations, series 58**	**QSX 22590.0 kHz**
22221.5		**ship stations, series 59**	**QSX 22590.5 kHz**
22222.0		**ship stations, series 60**	**QSX 22591.0 kHz**
22222.5		**ship stations, series 61**	**QSX 22591.5 kHz**
22223.0		**ship stations, series 62**	**QSX 22592.0 kHz**
22223.5		**ship stations, series 63**	**QSX 22592.5 kHz**
22224.0		**ship stations, series 64**	**QSX 22593.0 kHz**
22224.5		**ship stations, series 65**	**QSX 22593.5 kHz**
22225.0		**ship stations, series 66**	**QSX 22594.0 kHz**
22225.5		**ship stations, series 67**	**QSX 22594.5 kHz**
22226.0		**ship stations, non-paired**	
		ship stations	**QSX 22387.5 kHz (GKS 7)**
		ship stations	**QSX 22356.8 kHz (SAB 93)**
		ship stations	**QSX 20286.5 kHz (SPW)**
22226.5		**ship stations, non-paired**	
		ship stations	**QSX 22469.5 kHz (SAB 94)**
22228.0		ship stations calling, ch 1	CW
22230.0		ship stations calling, ch 2	CW
22232.0		ship stations calling, ch 3	CW
22234.0		ship stations calling, ch 4	CW
22236.0		ship stations calling, ch 5	CW
22238.0		ship stations calling, ch 6	CW
22240.0		ship stations calling, ch 7	CW
22242.0		ship stations calling, ch 8	CW
22244.0		ship stations calling, ch 9	CW
22246.0		ship stations calling, ch 10	CW
22248.0	*worldwide*	*ship stations DSC freq.*	
22248.5	*worldwide*	*ship stations DSC freq.*	
22312.0	A9M	Hamala R, BHR	CW
22312.5	CWA	Cerrito R, URG	CW
	XSG	Shanghai R, CHN	CW
22315.0	UJY	Kaliningrad R, RU, URS	CW
22315.5	VIP 6	Perth R, WA, AUS	CW
22318.5	FFS 9	Saint Lys R, F	CW
	WLO	Mobile R, AL, USA	CW
	XSV	Tianjin R, CHN	CW
22320.0	WLO	Mobile R, AL, USA	CW
22321.0	**UJY**	**Kaliningrad R, RU, URS**	**0840-1821 ry or R tts wtsca**
22322.0	A9M	Hamala R, BHR	CW
22322.5	UHK	Batumi R, GE, URS	CW
22323.5	DZJ	Bulacan R, PHL	CW
22324.5	NDT	USN Yokosuka, J	FAX // 7894.0 kHz $
	PCH 70	Scheveningen R, NLD	CW
22326.0	JNA	JN Tokyo, J	CW

22326.0	XSW	Kaohsiung R, TAI	CW
22327.5	SVG 7	Athens R, GRC	CW
22329.5	PW.	many BN stations, B	CW
22330.5	D3E 81	Luanda R, AGL	CW
	PWB	BN Belem, B	CW
	PWF	BN Salvador, B	CW
	PWN	BN Natal, B	CW
	4XZ	IN Haifa, ISR	CW
22333.0	URB 2	Klaipeda R, LI, URS	CW
22334.5	Y5M	Rügen R, DDR	CW
22335.5	DZI	Bacoor R, PHL	CW
22336.0	TIM	Limon R, CTR	CW
	XSW	Kaohsiung R, TAI	CW
22338.0	KLC	Galveston R, TX, USA	CW
	YIR	Basrah Control R, IRQ	CW
	5RS	Toamasina R, MDG	CW
22338.2	HZG	Dammam R, ARS	CW
22340.0	LZL 7	Bourgas R, BUL	CW
22340.3	DAL	Norddeich R, D	CW
22342.0	**UFL**	**Vladivostok R, SE, URS**	**(sp 22350.0 kHz)**
22344.0	LZW 7	Varna R, BUL	CW
	S9M	Sao Tome R, STP	CW
22345.4	CLS	Habana F R, CUB	CW
22346.5	LSA 7	Boca R, ARG	CW
	SVI 7	Athens R, GRC	CW
22347.5	ZSC 20	Capetown R, AFS	CW
22348.5	WCC	Chatham R, MA, USA	CW
22349.5	UFN	Novorossiysk R, RU, URS	CW
22350.0	**UFL**	**Vladivostok R, SE, URS**	**0215-0841 R tts wtsca** CW
22351.5	DUN	PN Manila, PHL	CW
	OST 72	Oostende R, BEL	CW
	XSQ	Guangzhou R, CHN	CW
22352.5	PPR	Rio de Janeiro R, B	CW
22354.0	PPL	Belem R, B	CW
22354.5	**UDK 2**	**Murmansk R, RU, URS**	**1324 R tts wtsca** CW
22355.0	PPJ	Juncao R, B	CW
22356.8	**SAB 93**	**Goeteborg R, S**	**SITOR-A: 0734-2225 tts; QSX 22226.0 kHz** **SITOR-B: 1700 Swedish nx**
22357.5	CLA 51	Habana R, CUB	CW
22358.0	**UFL**	**Vladivostok R, SE, URS**	**(sp 22350.0 kHz)**
22360.5	CBV	DGTMMM Valparaiso R, CHL	CW
22361.0	**DFW 36**	**HAB Hamburg, D**	**SITOR-B: 0900 G nx**
	DGW 36	HAB Hamburg, D	CW
22362.0	TCR	TURBAN Istanbul R, TUR	CW
22362.5	HEB	Berne R, SUI	CW
22363.0	XSG	Shanghai R, CHN	CW
22365.0	5BA	Nicosia R, CYP	CW
22366.5	JGC	Yokohama R, J	CW
	JNE	Hiroshima R, J	CW
	WCC	Chatham R, MA, USA	CW
22368.0	VAI	CCG Vancouver, BC, CAN	CW
22371.0	**URL**	**Sevastopol' R, UK, URS**	**0805+1417+1433 R tts wtsca** CW
22372.5	IAR 22	Rome R, I	CW
22374.0	LZW 7	Varna R, BUL	CW
22375.0	XYR 24	Yangon R, MYA	CW
22376.0	*worldwide*	*NBDPT MSI frequency*	
	IAR 2	Rome R, I	CW
22378.0	IAR 32	Rome R, I	CW

22378.0	VTG 9	IN Bombay, IND	CW
22379.3	ZLO 7	RNZN Waiouru, NZL	CW
22383.0	URL	Sevastopol' R, UK, URS	CW
22384.0	EDF 6	Aranjuez R, E	CW
22385.0	XDA	Mexico City R, MEX	CW
22386.0	JCT	Choshi R, J	CW
22387.0	UTA	Tallinn R, ES, URS	CW
	VCS	CCG Halifax, NS, CAN	CW
22387.5	***GKS 7***	***Portishead R, G***	***scheduled; QSX 22226.0 kHz***
22388.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz $
22390.0	FUF	FN Fort de France, MRT	CW
	HAR	Budapest R, HNG	CW
	XSJ	Zhanjiang R, CHN	CW
22393.0	Y5M	Rügen R, DDR	CW
22393.2	ZRH 7	SAN Capetown, AFS	CW
22394.8	**ZRQ 7**	**SAN Capetown, AFS**	**75 Bd: 1355 clg NAWS** CW
22395.0	HLF	Soul R, KOR	CW
	OBY 2	Paita R, PRU	CW
22396.0	CLA 50	Habana R, CUB	CW
	JOS	Nagasaki R, J	CW
	LFL	Rogaland R, NOR	CW
	OFJ 22	Helsinki R, FNL	CW
22398.0	JNA	JN Tokyo, J	CW
22399.0	SPH 9	Gdynia R, POL	CW
22400.0	XDA	Mexico City R, MEX	CW
22401.0	XSG	Shanghai R, CHN	CW
	Y5M	Rügen R, DDR	CW
22402.0	DUN	PN Manila, PHL	CW
22403.0	**UJY**	**Kaliningrad R, RU, URS**	**1530+1620 ry** CW
22404.0	OXZ 92	Lyngby R, DNK	CW
22405.0	PWN	BN Natal, B	CW
	UKA	**Vladivostok R, SE, URS**	**0220 R tts wtsca** CW
22407.0	SPI 9	Gdynia R, POL	CW
	UKW 3	Korsakov R, FE, URS	CW
22407.3	GKC 7	Portishead R, G	CW
22408.3	ZLP 7	RNZN Waiouru, NZL	CW
22409.0	JOR	Nagasaki R, J	CW
22410.0	UNQ	Novorossiysk R, RU, URS	CW
	'78 IJU'	**SN Madrid, E**	**75 Bd: 1322 ry** **100 Bd: 1321 ry, into -above-**
22410.8	SVB 7	Athens R, GRC	CW
22411.0	UJQ 7	Kiyev R, UK, URS	CW
22413.0	SAG 9	Goeteborg R, S	CW
22415.0	DAF	Norddeich R, D	CW
	LZL 7	Bourgas R, BUL	CW
22416.0	ELZ	Cape Palmas R, LBR	CW
22417.0	SVA 7	Athens R, GRC	CW
22418.0	PPO	Olinda R, B	CW
	WSC	Tuckerton R, NJ, USA	CW
22419.0	JCS	Choshi R, J	CW
	LPD 91	General Pacheco R, ARG	CW
	OXZ 9	Lyngby R, DNK	CW
22420.0	PPR	Rio de Janeiro R, B	CW
22422.0	**GYA**	**RN London, G**	**75 Bd: 0940-1137 test**
	Y5M	Rügen R, DDR	CW
22423.0	UAT	Moscow R, RU, URS	CW
22424.0	PPR	Rio de Janeiro R, B	CW
22425.0	AQP 8	PN Karachi, PAK	CW
	KFS	San Francisco R, CA, USA	CW

22425.0	LGG	Rogaland R, NOR	CW
22426.0	DZY 7	Manila R, PHL	CW
22427.0	HZG	Dammam R, ARS	CW
22428.0	CLS	Habana F R, CUB	CW
	9VG 59	Singapore R, SNG	CW
22429.0	PPL	Belem R, B	CW
22430.0	URL	Sevastopol' R, UK, URS	CW
22431.0	PKX	Jakarta R, INS	CW
	WNU	Slidell R, LA, USA	CW
	9PA	Banana R, ZAI	CW
22432.0	GKD 7	Portishead R, G	CW
22435.0	**UFL**	**Vladivostok R, SE, URS**	**0027+0426 R tts wtsca**
			CW
22436.0	PPJ	Juncao R, B	CW
22437.0	Y5M	Rügen R, DDR	CW
22438.0	DZW	Manila R, PHL	CW
22438.5	SAB 9	Goeteborg R, S	CW
22440.0	CLY	Habana R, CUB	CW
	JOU	Nagasaki R, J	CW
	UJQ	Kiyev R, UK, URS	FAX // 12828.0 kHz
			CW
22441.0	PPR	Rio de Janeiro R, B	CW
22443.0	EQI	Abbas R, IRN	CW
	EQK	Khoramshahr R, IRN	CW
	OST	**Oostende R, BEL**	**SITOR-A: 1243-1800 tts**
			CW
	PWZ	BN Rio de Janeiro, B	CW
	YUR 9	Rijeka R, YUG	CW
22444.0	PPO	Olinda R, B	CW
22445.0	PWZ	BN Rio de Janeiro, B	CW
22445.4	**GYA**	**RN London, G**	**75 Bd: 0942+1623 test**
22446.0	EAD 6	Aranjuez R, E	CW
22447.0	CBV	DGTMMM Valparaiso R, CHL	CW
	FUV	FN Jibuti, DJI	CW
22448.0	YQI 7	Constanta R, ROU	CW
22448.7	GKB 7	Portishead R, G	CW
22450.0	PPO	Olinda R, B	CW
	ROT	SN Moscow, RU, URS	CW
22452.0	XSQ 7	Guangzhou R, CHN	CW
22454.0	HPP	Panama R, PNR	CW
22454.2	GYC 7	RN London, G	CW
22454.3	**GYA**	**RN London, G**	**75 Bd: 0732-1927 test**
22455.0	UDH	Riga R, LA, URS	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
	ZSC 40	Capetown R, AFS	CW
22458.0	WNU	Slidell R, LA, USA	CW
22459.0	OXZ 93	Lyngby R, DNK	CW
	XSX	Keelung R, TAI	CW
22460.0	OMP 71	Prague R, TCH	CW
22461.0	FUJ	FN Noumea, NCL	CW
	PW.	many BN stations, B	CW
22463.0	JCU	Choshi R, J	CW
22464.0	**UFB**	**Odessa R, UK, URS**	**1437 R tts wtsca**
			CW
22465.0	OBF 4	Mollendo R, PRU	CW
	XFA	Acapulco R, MEX	CW
	9MG 12	Georgetown R, Pin. I., MLA	CW
22467.0	GKA 7	Portishead R, G	CW
	KLC	Galveston R, TX, USA	CW
22469.5	*SAB 94*	*Goeteborg R, S*	*scheduled; QSX 22226.5 kHz*
22471.0	XDA	Mexico City R, MEX	CW
22471.5	SVD 7	Athens R, GRC	CW

22472.0	NMO	USCG Honolulu, HWA	CW
22473.0	CBV	DGTMMM Valparaiso R, CHL	CW
	LFG	Rogaland R, NOR	CW
22474.0	VIS 42	Sydney R, NSW, AUS	CW
22475.0	PPL	Belem R, B	CW
22476.0	DAM	Norddeich R, D	CW
	NMO	USCG Honolulu, HWA	CW
22477.0	XFU	Veracruz R, MEX	CW
22477.5	***KPH***	***San Francisco R, CA, USA***	***scheduled*** CW
22479.0	CUL 24	Lisbon R, POR	CW
	KPH	San Francisco R, CA, USA	CW
	9VG 27	Singapore R, SNG	CW
22481.0	Y5M	Rügen R, DDR	CW
22482.0	HLG	Soul R, KOR	CW
22484.0	HZG	Dammam R, ARS	CW
22485.0	UBF 2	Leningrad R, RU, URS	CW
	VIX 7	RAN Canberra, ACT, AUS	CW
22486.0	LZW 7	Varna R, BUL	CW
	OMP 7	Prague R, TCH	CW
22487.0	**WLO**	**Mobile R, AL, USA**	**SITOR-B: H+35 tfc list, wx** CW
	XSV	Tianjin R, CHN	CW
22490.0	DZZ	Manila R, PHL	CW
	UXN	**Arkhangelsk R, RU, URS**	**1032 ry**
	5RS	Toamasina R, MDG	CW
22491.0	ELC	Monrovia R, LBR	CW
	4XO	Haifa R, ISR	CW
22494.0	GKK 7	Portishead R, G	CW
22495.0	SPA 9	Gdynia R, POL	CW
	VIS 43	Sydney R, NSW, AUS	CW
22496.0	PPJ	Juncao R, B	CW
22497.0	**UDK 2**	**Murmansk R, RU, URS**	**1135+1318+1929 R tts wtsca**
22499.0	HPP	Panama R, PNR	CW
22500.0	HAR	Budapest R, HNG	CW
	SVF 7	Athens R, GRC	CW
	3AC 32	Monte Carlo R, MCO	CW
22503.0	GKG 7	Portishead R, G	CW
22504.0	9KK 23	Safat R, KWT	CW
22505.0	SPE 91	Szczecin R, POL	CW
22509.0	FFL 9	Saint Lys R, F	CW
22511.0	XFN	Progreso R, MEX	CW
22512.0	UAT	Moscow R, RU, URS	CW
22513.5	LPD 28	General Pacheco R, ARG	CW
22515.0	DAN	Norddeich R, D	CW
	KFS	San Francisco R, CA, USA	CW
22516.0	XDA	Mexico City R, MEX	CW
22518.0	WCC	Chatham R, MA, USA	CW
22520.0	LZL 7	Bourgas R, BUL	CW
	UQK	Riga R, LA, URS	CW
22521.0	WCC	Chatham R, MA, USA	CW
22524.0	JFA	Matsudo F R, J	CW
22525.0	IRM	CIRM Rome, I	CW
	XSQ	Guangzhou R, CHN	CW
22525.5	GKH 7	Portishead R, G	CW
22525.9	GKN 7	Portishead R, G	CW
22527.0	GKM 7	Portishead R, G	CW
	NRV	USCG Apra Harbour, GUM	CW
22527.9	GKO 7	Portishead R, G	CW
22528.5	GKI 7	Portishead R, G	CW
22530.0	PWZ	BN Rio de Janeiro, B	CW
	URL	Sevastopol' R, UK, URS	CW

22533.0	EDZ 7	Aranjuez R, E	CW
	OST 7	Oostende R, BEL	CW
	ZLB 7	Awarua R, NZL	CW
22534.0	PPR	Rio de Janeiro R, B	CW
22536.0	VPS 22	Victoria Island R/TS, HKG	CW
22537.0	FUF	FN Fort de France, MRT	CW
22538.0	DZN	Navotas R, PHL	CW
22539.0	KLB	Seattle R, WA, USA	CW
	PCH 71	Scheveningen R, NLD	CW
22542.0	JJC	Tokyo R, J	FAX // 4316.0 kHz
22543.0	7TA 12	El Djaza'ir R, ALG	CW
	7TF	Skikda R, ALG	CW
22544.0	FUM	FN Papeete, Tahiti, OCE	CW
22545.0	GKJ 7	Portishead R, G	CW
	NMN	USCG Portsmouth, VA, USA	CW
	Y5M	Rügen R, DDR	CW
22546.0	CBV	DGTMMM Valparaiso R, CHL	CW
22547.0	LSA	Boca R, ARG	CW
22548.0	TAH	Istanbul R, TUR	CW
22550.0	Y5M	Rügen R, DDR	CW
22551.0	SPE 92	Szczecin R, POL	CW
	VWB	Bombay R, IND	CW
22552.0	**GYA**	**RN London, G**	**75 Bd: 1413 ry**
22554.0	LZS 38	BN Sofia, BUL	CW
22555.0	OBQ 5	Iquitos R, PRU	CW
	UFB	Odessa R, UK, URS	CW
22555.5	LSA	Boca R, ARG	CW
22557.0	KPH	San Francisco R, CA, USA	CW
22560.0	**URL**	**Sevastopol' R, UK, URS**	**1330 R tts wtsca** CW
22561.5		**coast stations, series 1**	**QSX 22192.5 kHz**
	DCN	*Norddeich R, D*	*scheduled*
	KFS	*San Francisco R, CA, USA*	*scheduled*
	9MG 18	*Georgetown R, Pin. I., MLA*	*scheduled*
22562.0		**coast stations, series 2**	**QSX 22193.0 kHz**
	GKE 7	**Portishead R, G**	**SITOR-A: 0458-1925 tts** CW
	WNU	*Slidell R, LA, USA*	*scheduled*
	ZLW	*Wellington R, NZL*	*scheduled*
22562.5		**coast stations, series 3**	**QSX 22193.5 kHz**
	KFS	*San Francisco R, CA, USA*	*scheduled*
	OST 76	*Oostende R, BEL*	*scheduled*
	UFH	*Petropavlovsk R, FE, URS*	*scheduled*
	XSV	*Tianjin R, CHN*	*scheduled*
22563.0		**coast stations, series 4**	**QSX 22194.0 kHz**
	FFT 91	**Saint Lys R, F**	**SITOR-A: 0810-1620 tts** **SITOR-B: 0800+0900+1000+1100+1600 tfc list or wx**
22563.5		**coast stations, series 5**	**QSX 22194.5 kHz**
	LGG 2	**Rogaland R, NOR**	**SITOR-A: 0735+1134++1238 tts** CW
	SPB 91	**Szczecin R, POL**	**SITOR-A: 1237-1710 tts** CW
	WLO	*Mobile R, AL, USA*	*scheduled*
	5RS	*Toamasina R, MDG*	*scheduled*
22564.0		**coast stations, series 6**	**QSX 22195.0 kHz**
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	LZW	*Varna R, BUL*	*scheduled*
	VIP 36	*Perth R, WA, AUS*	*scheduled*
	VPS 97	**Victoria Island R, HKG**	**SITOR-A: 0430-0740 tts** CW
	WLO	**Mobile R, AL, USA**	**SITOR-B: 0500+0700 schedule**

22564.0	WSC	Tuckerton R, NJ, USA	CW
	Y5M	*Rügen R, DDR*	*scheduled*
22564.5		coast stations, series 7	QSX 22195.5 kHz
	SAB 907	Goeteborg R, S	SITOR-A: 0736-1826 tts
	WAH	*Saint Thomas R, VIR*	*scheduled*
	XSG	*Shanghai R, CHN*	*scheduled*
22565.0		coast stations, series 8	QSX 22196.0 kHz
	PCH 75	Scheveningen R, NLD	SITOR-A: 0656-1743 tts CW
	WPD	*Tampa R, FL, USA*	*scheduled*
22565.5		coast stations, series 9	QSX 22196.5 kHz
	CBV	DGTMMM Valparaiso R, CHL	SITOR-A: 1841 tts
	KLC	*Galveston R, TX, USA*	*scheduled*
22566.0		coast stations, series 10	QSX 22197.0 kHz
	J2A	*Jibuti R, DJI*	*scheduled*
	S9M	*Sao Tome R, STP*	*scheduled*
	9VG 84	Singapore R, SNG	SITOR-A: 0131+0503+0656+1250 tts CW
22566.5		coast stations, series 11	QSX 22197.5 kHz
	CBV	*DGTMMM Valparaiso R, CHL*	*scheduled*
	HEC 52	Berne R, SUI	SITOR-A: 0656-1823 tts CW
	WLO	*Mobile R, AL, USA*	*scheduled*
	XSQ	*Guangzhou R, CHN*	*scheduled*
22567.0		coast stations, series 12	QSX 22198.0 kHz
	NMF	*USCG Boston, MA, USA*	*scheduled*
	NRV	USCG Apra Harbour, GUM	SITOR-B: 0030+0530+2330 wx
	OST 77	*Oostende R, BEL*	*scheduled*
22567.5		coast stations, series 13	QSX 22198.5 kHz
	KPH	San Francisco R, CA, USA	SITOR-B: 1700 tfc list CW
	UAT	Moscow R, RU, URS	SITOR-A: 0503-1521 R tts wtsca CW
	WCC	*Chatham R, MA, USA*	*scheduled*
22568.0		coast stations, series 14	QSX 22199.0 kHz
	KPH	San Francisco R, CA, USA	SITOR-B: 1900 tfc list
	VIS 71	*Sydney R, NSW, AUS*	*scheduled*
	WCC	*Chatham R, MA, USA*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
22568.5		coast stations, series 15	QSX 22199.5 kHz
	DCM	*Norddeich R, D*	*scheduled*
	UXN	*Arkhangelsk R, RU, URS*	*scheduled*
	WLO	Mobile R, AL, USA	SITOR-A: 1236-0655 tts CW
22569.0		coast stations, series 16	QSX 22200.0 kHz
	COB 36	*Flota Cubana F R, CUB*	*scheduled*
	UPB	*Provideniya R, FE, URS*	*scheduled*
	VWM	*Madras R, IND*	*scheduled*
22569.5		coast stations, series 17	QSX 22200.5 kHz
	KLC	*Galveston R, TX, USA*	*scheduled*
	UCO	*Yalta R, UK, URS*	*scheduled*
22570.0		coast stations, series 18	QSX 22201.0 kHz
	OXZ	Lyngby R, DNK	SITOR-A: 0650-1618 tts SITOR-B: 1630 Danish nx CW
	WPD	*Tampa R, FL, USA*	*scheduled*
22570.5		coast stations, series 19	QSX 22201.5 kHz
	WNU	*Slidell R, LA, USA*	*scheduled*
22571.0		coast stations, series 20	QSX 22202.0 kHz
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	HZG	*Dammam R, ARS*	*scheduled*

22571.0	UFN	Novorossiysk R, RU, URS	SITOR-A: 0505+0649 R tts wtsca
			CW
	YUR	*Rijeka R, YUG*	*scheduled*
22571.5		coast stations, series 21	QSX 22202.5 kHz
	IAR	*Rome R, I*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	WCC	Chatham R, MA, USA	SITOR-B: 0500+1700 wx
			CW
22572.0		coast stations, series 22	QSX 22203.0 kHz
	KLC	*Galveston R, TX, USA*	*scheduled*
	KPH	*San Francisco R, CA, USA*	*scheduled*
	3AC 42	*Monte Carlo R, MCO*	*scheduled*
22572.5		coast stations, series 23	QSX 22203.5 kHz
	SVT 7	*Athens R, GRC*	*scheduled*
22573.0		coast stations, series 24	QSX 22204.0 kHz
	UKA	Vladivostok R, SE, URS	SITOR-A: 1033 R tts wtsca
22573.5		coast stations, series 25	QSX 22204.5 kHz
	FFT 93	*Saint Lys R, F*	*scheduled*
	UJY	Kaliningrad R, RU, URS	1133-1741 R tts wtsca
	WLO	*Mobile R, AL, USA*	*scheduled*
22574.0		coast stations, series 26	QSX 22205.0 kHz
	CLA	*Habana R, CUB*	*scheduled*
	UJQ	*Kiyev R, UK, URS*	*scheduled*
22574.5		coast stations, series 27	QSX 22205.5 kHz
	IAR	*Rome R, I*	*scheduled*
	NMN	*USCG Portsmouth, VA, USA*	*scheduled*
	NMO	USCG Honolulu, HWA	SITOR-B: 0130+1930 ry
22575.0		coast stations, series 28	QSX 22206.0 kHz
	KFS	*San Francisco R, CA, USA*	*scheduled*
	UGH 2	*Juzno R, FE, URS*	*scheduled*
22575.5		coast stations, series 29	QSX 22206.5 kHz
	FFT 92	*Saint Lys R, F*	*scheduled*
			CW
	UKX	*Nakhodka R, SE, URS*	*scheduled*
	WLO	*Mobile R, AL, USA*	*scheduled*
22576.0		coast stations, series 30	QSX 22207.0 kHz
	DCL	Norddeich R, D	SITOR-A: 0506+1616+1742 tts
	YUR	*Rijeka R, YUG*	*scheduled*
22576.5		coast stations, series 31	QSX 22207.5 kHz
	HPP	*Panama R, PNR*	*scheduled*
	VAI	*CCG Vancouver, BC, CAN*	*scheduled*
22577.0		coast stations, series 32	QSX 22208.0 kHz
	SAB 932	Goeteborg R, S	SITOR-A: 0737-1824 tts
22577.5		coast stations, series 33	QSX 22208.5 kHz
	UDK 2	*Murmansk R, RU, URS*	*scheduled*
	8Q2	*Male R, MLD*	*scheduled*
22578.0		coast stations, series 34	QSX 22209.0 kHz
	GKP 7	Portishead R, G	SITOR-A: 0506-1724 tts
			CW
	UQB	*Kholmsk R, FE, URS*	*scheduled*
22578.5		coast stations, series 35	QSX 22209.5 kHz
	3AC 52	*Monte Carlo R, MCO*	*scheduled*
22579.0		coast stations, series 36	QSX 22210.0 kHz
	CLA	*Habana R, CUB*	*scheduled*
	OXZ	Lyngby R, DNK	SITOR-A: 1038 tts
			CW
	WPD	*Tampa R, FL, USA*	*scheduled*
22579.5		coast stations, series 37	QSX 22210.5 kHz
22580.0		coast stations, series 38	QSX 22211.0 kHz
	KPH	*San Francisco R, CA, USA*	*scheduled*
	UBN	Zhdanov R, UK, URS	0850 R tts wtsca
	UDH	*Riga R, LA, URS*	*scheduled*

22580.0	*WCC*	*Chatham R, MA, USA*	*scheduled*
22580.5		coast stations, series 39	QSX 22211.5 kHz
22581.0		coast stations, series 40	QSX 22212.0 kHz
	EHY	*Pozuelo del Rey R, E*	*scheduled*
	UKK 3	Nakhodka R, SE, URS	SITOR-B: 1415 wx
	Y5M	*Rügen R, DDR*	*scheduled*
22581.5		coast stations, series 41	QSX 22212.5 kHz
	UHK	*Batumi R, GE, URS*	*scheduled*
	UMV	*Murmansk R, RU, URS*	*scheduled*
22582.0		coast stations, series 42	QSX 22213.0 kHz
	UFB	*Odessa R, UK, URS*	*scheduled*
	YUS	*Split R, YUG*	*scheduled*
22582.5		coast stations, series 43	QSX 22213.5 kHz
	HPP	*Panama R, PNR*	*scheduled*
22583.0		coast stations, series 44	QSX 22214.0 kHz
	IAR	*Rome R, I*	*scheduled*
	UBE 2	*Petropavlovsk R, FE, URS*	*scheduled*
22583.5		coast stations, series 45	QSX 22214.5 kHz
22584.0		coast stations, series 46	QSX 22215.0 kHz
	A9M	Hamala R, BHR	SITOR-A: 0834 tts CW
22584.5		coast stations, series 47	QSX 22215.5 kHz
	KFS	*San Francisco R, CA, USA*	*scheduled*
	UFM 3	*Nevelsk R, FE, URS*	*scheduled*
22585.0		coast stations, series 48	QSX 22216.0 kHz
	KLC	*Galveston R, TX, USA*	*scheduled*
	YUW	*Bar R, YUG*	*scheduled*
22585.5		coast stations, series 49	QSX 22216.5 kHz
	SVU 7	Athens R, GRC	SITOR-A: 0808-1613 tts CW
22586.0		coast stations, series 50	QSX 22217.0 kHz
	HEC 62	Berne R, SUI	SITOR-A: 1234 tts CW
	UQK	*Riga R, LA, URS*	*scheduled*
22586.5		coast stations, series 51	QSX 22217.5 kHz
	PKX	*Jakarta R, INS*	*scheduled*
22587.0		coast stations, series 52	QSX 22218.0 kHz
	LGG 3	Rogaland R, NOR	SITOR-A: 0653-1825 tts SITOR-B: 1600 tfc list CW
	WNU	*Slidell R, LA, USA*	*scheduled*
22587.5		coast stations, series 53	QSX 22218.5 kHz
22588.0		coast stations, series 54	QSX 22219.0 kHz
	IDR 7	IN Rome, I	CW
	WLO	*Mobile R, AL, USA*	*scheduled*
	Y5M	*Rügen R, DDR*	*scheduled*
22588.5		coast stations, series 55	QSX 22219.5 kHz
	HEC 72	*Berne R, SUI*	*scheduled*
22589.0		coast stations, series 56	QSX 22220.0 kHz
22589.5		coast stations, series 57	QSX 22220.5 kHz
	DCF	*Norddeich R, D*	*scheduled*
	URD	*Leningrad R, RU, URS*	*scheduled*
	WNU	*Slidell R, LA, USA*	*scheduled*
22590.0		coast stations, series 58	QSX 22221.0 kHz
	GKY 7	Portishead R, G	SITOR-A: 0507-1825 tts CW
	UFL	Vladivostok R, SE, URS	0655 R tts wtsca
	VCS	*CCG Halifax, NS, CAN*	*scheduled*
22590.5		coast stations, series 59	QSX 22221.5 kHz
	OXZ	*Lyngby R, DNK*	*scheduled*
22591.0		coast stations, series 60	QSX 22222.0 kHz
	WLO	Mobile R, AL, USA	SITOR-A: 0508+0652 tts CW

22591.0	***3AC 62***	***Monte Carlo R, MCO***	***scheduled***	
22591.5		**coast stations, series 61**	**QSX 22222.5 kHz**	
	CUL	**Lisbon R, POR**	**SITOR-A: 1232 tts**	
	UNM 2	***Klaipeda R, LI, URS***	***scheduled***	
22592.0		**coast stations, series 62**	**QSX 22223.0 kHz**	
	IAR	***Rome R, I***	***scheduled***	
22592.5		**coast stations, series 63**	**QSX 22223.5 kHz**	
	TAH	***Istanbul R, TUR***	***scheduled***	
22593.0		**coast stations, series 64**	**QSX 22224.0 kHz**	
	ZSC 65	***Capetown R, AFS***	***scheduled***	
			CW	
22593.5		**coast stations, series 65**	**QSX 22224.5 kHz**	
22594.0		**coast stations, series 66**	**QSX 22225.0 kHz**	
	GKQ 7	**Portishead R, G**	**SITOR-A: 0509-1626 tts**	
			CW	
22594.5		**coast stations, series 67**	**QSX 22225.5 kHz**	
22595.0	***worldwide***	***coast stations DSC freq.***		
	OBC 3	Callao R, PRU	CW	
22595.5	***worldwide***	***coast stations DSC freq.***		
22596.0		coast stations, ch 2201	SSB	QSX 22000.0 kHz
	EHY	Pozuelo del Rey R, E		
	HAR	Budapest R, HNG		
	WOO	Ocean Gate R, NJ, USA		
	XSV	Tianjin R, CHN		
22599.1		coast stations, ch 2202	SSB	QSX 22003.1 kHz
	CFH	CF Halifax, NS, CAN		
	HAR	Budapest R, HNG		
	LFN 30	Rogaland R, NOR		
	S3D	Chittagong R, BGD		
	S3E	Khulna R, BGD		
	UDE	Odessa R, UK, URS		
	UIK	Vladivostok R, SE, URS		
	5OW	Lagos R, NIG		
22602.2		coast stations, ch 2203	SSB	QSX 22006.2 kHz
	EQM	Bushire R, IRN		
	HPP 20	Panama R, PNR		
	LFN 31	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	VIS	Sydney R, NSW, AUS		
22605.3		coast stations, ch 2204	SSB	QSX 22009.3 kHz
	FFL 92	Saint Lys R, F		
	LPL 21	General Pacheco R, ARG		
	OHG 2	Helsinki R, FNL		
	YUR	Rijeka R, YUG		
	ZSC 29	Capetown R, AFS		
	4XO	Haifa R, ISR		
	9KK 24	Safat R, KWT		
22608.4		coast stations, ch 2205	SSB	QSX 22012.4 kHz
	EQK	Khoramshahr R, IRN		
	PCG 71	Scheveningen R, NLD		
	UFM 3	Nevelsk R, FE, URS		
	UKQ 2	Nakhodka R, SE, URS		
	WOO	Ocean Gate R, NJ, USA		
	7TA 32	El Djaza'ir R, ALG		
22611.5		coast stations, ch 2206	SSB	QSX 22015.5 kHz
	A9M	Hamala R, BHR		
	GKT 76	Portishead R, G		
	OBC 3	Callao R, PRU		
	SPC 93	Gdynia R, POL		
	YUR	Rijeka R, YUG		
	ZSD 42	Durban R, AFS		

22611.5	5OW	Lagos R, NIG		
22614.6		coast stations, ch 2207	SSB	QSX 22018.6 kHz
	CUL	Lisbon R, POR		
	DAJ	Norddeich R, D		
	D3E	Luanda R, AGL		
	S3D	Chittagong R, BGD		
	UAT	Moscow R, RU, URS		
	XSG	Shanghai R, CHN		
	4XO	Haifa R, ISR		
22617.7		coast stations, ch 2208	SSB	QSX 22021.7 kHz
	HPP 20	Panama R, PNR		
	JBO	Tokyo R, J		
	LFN 32	Rogaland R, NOR		
	LZW	Varna R, BUL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
22620.8		coast stations, ch 2209	SSB	QSX 22024.8 kHz
	HLS	Soul R, KOR		
	OSU 74	Oostende R, BEL		
	SPC 94	Gdynia R, POL		
	SVN 7	Athens R, GRC		
	S9M	Sao Tome R, STP		
22623.9		coast stations, ch 2210	SSB	QSX 22027.9 kHz
	OHG 2	Helsinki R, FNL		
	S3E	Khulna R, BGD		
	WOO	Ocean Gate R, NJ, USA		
22627.0		coast stations, ch 2211	SSB	QSX 22031.0 kHz
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	IAR	Rome R, I		
	LFN 33	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
22630.1		coast stations, ch 2212	SSB	QSX 22034.1 kHz
	GKU 72	Portishead R, G		
	GYU	RN Gibraltar, GIB		
	HAR	Budapest R, HNG		
	VIP	Perth R, WA, AUS		
	5BA 72	Nicosia R, CYP		
	9VG 70	Singapore R, SNG		
22633.2		coast stations, ch 2213	SSB	QSX 22037.2 kHz
	LFN 34	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	TAM	Mersin R, TUR		
	UFO	Kholmsk R, FE, URS		
	URD	Leningrad R, RU, URS		
	ZLW	Wellington R, NZL		
	5AT	Tripoli R, LBY		
	9GA	Takoradi R, GHA		
22636.3		coast stations, ch 2214	SSB	QSX 22040.3 kHz
	CWF	Punta Carretas R, URG		
	GKU 74	Portishead R, G		
	HEB 52	Berne R, SUI		
	KMI	Dixon R, CA, USA		
	OHG 2	Helsinki R, FNL		
	OSU 77	Oostende R, BEL		
	S3D	Chittagong R, BGD		
	TAM	Mersin R, TUR		
	XSQ	Guangzhou R, CHN		
22639.4		coast stations, ch 2215	SSB	QSX 22043.4 kHz
	FUB	FN Paris, F		

22639.4	LFN 35	Rogaland R, NOR		
	OBQ 5	Iquitos R, PRU		
	SPC 91	Gdynia R, POL		
	WOM	Pennsuco R, FL, USA		
	9GX	Tema R, GHA		
22642.5		coast stations, ch 2216	SSB	QSX 22046.5 kHz
	ICB	Genova R, I		
	LFN 36	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	WOM	Pennsuco R, FL, USA		
	YVG	La Guayra R, VEN		
	9KK 25	Safat R, KWT		
22645.6		coast stations, ch 2217	SSB	QSX 22049.6 kHz
	DAP	Norddeich R, D		
	OBF 4	Mollendo R, PRU		
	SVN 7	Athens R, GRC		
	S3D	Chittagong R, BGD		
	VPS	Victoria Island R, HKG		
	4XO	Haifa R, ISR		
22648.7		coast stations, ch 2218	SSB	QSX 22052.7 kHz
	FUB	FN Paris, F		
	LFN 37	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S9M	Sao Tome R, STP		
	UDE	Odessa R, UK, URS		
	VPS	Victoria Island R, HKG		
	5BA 74	Nicosia R, CYP		
22651.8		coast stations, ch 2219	SSB	QSX 22055.8 kHz
	OSU 73	Oostende R, BEL		
	SPO 91	Szczecin R, POL		
	SVN 7	Athens R, GRC		
	S3D	Chittagong R, BGD		
	XSG	Shanghai R, CHN		
	3AC 22	Monte Carlo R, MCO		
22654.9		coast stations, ch 2220	SSB	QSX 22058.9 kHz
	GKU 70	Portishead R, G		
	HEB 72	Berne R, SUI		
	OMC	Bratislava R, TCH		
	OMK	Komarno R, TCH		
	OMP	Prague R, TCH		
	Y5M	Rügen R, DDR		
	6VA	Dakar R, SEN		
22658.0		coast stations, ch 2221 *(worldwide calling frequency)*	SSB	QSX 22062.0 kHz
22661.1		coast stations, ch 2222	SSB	QSX 22065.1 kHz
	DAH	Norddeich R, D		
	HLS	Soul R, KOR		
	HZG	Dammam R, ARS		
	OHG 2	Helsinki R, FNL		
	WOM	Pennsuco R, FL, USA		
	8Q2	Male R, MLD		
22664.2		coast stations, ch 2223	SSB	QSX 22068.2 kHz
	DAI	Norddeich R, D		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	S3D	Chittagong R, BGD		
	TAI	Iskenderun R, TUR		
	VIS	Sydney R, NSW, AUS		
	WAH	Saint Thomas R, VIR		
22667.3		coast stations, ch 2224	SSB	QSX 22071.3 kHz
	EHY	Pozuelo del Rey R, E		

22667.3	SVN 7	Athens R, GRC		
	Y5M	Rügen R, DDR		
	3BB	Port Louis R, MAU		
22670.4		coast stations, ch 2225	SSB	QSX 22074.4 kHz
	CBV	DGTMMM Valparaiso R, CHL		
	OSU 71	Oostende R, BEL		
	TFA	Reykjavik R, ISL		
	TUA	Abidjan R, CTI		
	XDA	Mexico City R, MEX		
	XFA	Acapulco R, MEX		
	XFS 5	PEMEX Tuxpan R, MEX		
	XFU 2	PEMEX Veracruz R, MEX		
	7TA 33	El Djaza'ir R, ALG		
22673.5		coast stations, ch 2226	SSB	QSX 22077.5 kHz
	FFL 91	Saint Lys R, F		
	SUH	Alexandria R, EGY		
	S3E	Khulna R, BGD		
	TFA	Reykjavik R, ISL		
	XSQ	Guangzhou R, CHN		
	Y5M	Rügen R, DDR		
	ZAD	Durres R, ALB		
22676.6		coast stations, ch 2227	SSB	QSX 22080.6 kHz
	ASK	Karachi R, PAK		
	GKV 77	Portishead R, G		
	JBO	Tokyo R, J		
	WLO	Mobile R, AL, USA		
	7TA 34	El Djaza'ir R, ALG		
22679.7		coast stations, ch 2228	SSB	QSX 22083.7 kHz
	KMI	Dixon R, CA, USA		
	LFN 38	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3E	Khulna R, BGD		
	UGH 2	Juzno R, FE, URS		
22682.8		coast stations, ch 2229	SSB	QSX 22086.8 kHz
	EHY	Pozuelo del Rey R, E		
	GKV 79	Portishead R, G		
22685.9		coast stations, ch 2230	SSB	QSX 22089.9 kHz
	LFN 39	Rogaland R, NOR		
	SAG	Goeteborg R, S		
	TAH	Istanbul R, TUR		
	Y5M	Rügen R, DDR		
22689.0		coast stations, ch 2231	SSB	QSX 22093.0 kHz
	CKN	CF Vancouver, BC, CAN		
	FFL 94	Saint Lys R, F		
	HZG	Dammam R, ARS		
	OHG 2	Helsinki R, FNL		
	SVN 7	Athens R, GRC		
	UDN	Novorossiysk R, RU, URS		
	WLO	Mobile R, AL, USA		
	9MG 42	Georgetown R, Pin. I., MLA		
22692.1		coast stations, ch 2232	SSB	QSX 22096.1 kHz
	CLA 76	Habana R, CUB		
	HEB 62	Berne R, SUI		
	PCG 72	Scheveningen R, NLD		
	SPC 92	Gdynia R, POL		
	UFH	Petropavl.-Km. R, FE, URS		
	URB 2	Klaipeda R, LI, URS		
22695.2		coast stations, ch 2233	SSB	QSX 22099.2 kHz
	EQN	Khomeini R, IRN		
	LFN 40	Rogaland R, NOR		
	S3D	Chittagong R, BGD		

22698.3		coast stations, ch 2234	SSB QSX 22102.3 kHz
	LFN 41	Rogaland R, NOR	
	OXZ	Lyngby R, DNK	
	PKX	Jakarta R, INS	
	SAG	Goeteborg R, S	
	XDA	Mexico City R, MEX	
	XFK	La Paz R, MEX	
	XFS 4	PEMEX Tecolutla R, MEX	
	XFS 5	PEMEX Tuxpan R, MEX	
	5AB	Benghazi R, LBY	
22701.4		coast stations, ch 2235	SSB QSX 22105.4 kHz
	A7D	Doha R, QAT	
	EQI	Abbas R, IRN	
	FFL 93	Saint Lys R, F	
	SVN 7	Athens R, GRC	
	UDK	Murmansk R, RU, URS	
22704.5		coast stations, ch 2236	SSB QSX 22108.5 kHz
	JBO	Tokyo R, J	
	KMI	Dixon R, CA, USA	
	LFN 42	Rogaland R, NOR	
	OXZ	Lyngby R, DNK	
	WOO	Ocean Gate R, NJ, USA	
22707.6		coast stations, ch 2237	SSB QSX 22111.6 kHz
	IAR	Rome R, I	
	LFN 43	Rogaland R, NOR	
	WLO	Mobile R, AL, USA	
	8Q2	Male R, MLD	
22710.7		coast stations, ch 2238	SSB QSX 22114.7 kHz
	DAK	Norddeich R, D	
	HAR	Budapest R, HNG	
	PPR	Rio de Janeiro R, B	
	UQK	Riga R, LA, URS	
	XFS 4	PEMEX Tecolutla R, MEX	
	XFU 2	PEMEX Veracruz R, MEX	
	7TA 35	El Djaza'ir R, ALG	
22713.8		coast stations, ch 2239	SSB QSX 22117.8 kHz
	LFN 44	Rogaland R, NOR	
	OSU 72	Oostende R, BEL	
	YUR	Rijeka R, YUG	
22716.9		coast stations, ch 2240	SSB QSX 22120.9 kHz
	ASK	Karachi R, PAK	
	CBV	DGTMMM Valparaiso R, CHL	
	GKX 70	Portishead R, G	
	JBO	Tokyo R, J	
	LFN 45	Rogaland R, NOR	
	5RS	Toamasina R, MDG	
22722.2	Y7A 83	MFA Berlin, DDR	CW
22732.0	**Y7A 84**	**MFA Berlin, DDR**	**100 Bd: 0659+0847 ry** CW
22742.0	BAF	Beijing Meteo, CHN	FAX // 3170.0 kHz
22763.0		**FF Brasilia, B**	**FEC-A 144 Bd: 1739 msgs to Paris**
22810.0	**NBA**	**USN Balboa, PNR**	**75 Bd: 1935 foxes**
22850.0	3MA 36	CNA Taipei, TAI	FAX // 5117.0 kHz CW

22855.0 - 23000.0 **FIXED < 540 >**

22860.0	**ZRH**	**SAN Capetown, AFS**	**75 Bd: 1407 clg CCM, 1421+1537 ry**
22885.0	**Y2V 28**	**ADN Berlin, DDR**	**1200 E nx**

22892.1	IAR 76	ANSA Rome, I	CW
22892.5	IAR 76	ANSA Rome, I	0700 E nx
22900.2	GPA 7	Portishead R, G	SITOR-A: 0640-1730 tts CW
22904.5		FRG E Tokyo, J	ARQ-E 96 Bd: 0738 msg to Bonn
22905.5	DMK	MFA Bonn, D	ARQ-E 96 Bd: 0820 tfc to Singapore
22911.0	'RFVI'	FF Le Port, REU	ARQ-M2 96 Bd: A: 1337 operational msg to 'RFHI' (VII)
22915.0	FTW 91	DIPLO Paris, F	0900+1100+1500+1600+1700 F nx, 1800 S nx, 1900+2300 F nx
	'RFFA'	MOD Paris, F	ARQ-M2 96 Bd: A: 1233 msg + encrypted tfc after "KKKK..." to 'RFVI' (IRE) B: 1230 msg + encrypted tfc after "KKKK..." to 'RFVI'
22946.0	MKD	RAF Akrotiri, CYP	VFT: 0741-1640 ryi COMB
22950.0	HMF 52	KCNA Pyongyang, KRE	(hx 11475.0 kHz)
	Y7A 86	MFA Berlin, DDR	0511-1614 ry or tfc CW
22951.4	HMF 52	KCNA Pyongyang, KRE	(hx 11475.7 kHz)
22955.0	ISX 22	ANSA Rome, I	1500 E nx, 1600 F nx
	Y7A 87	MFA Berlin, DDR	1453+1614 ry, 1732 tfc
22964.5	HBD 20	MFA Berne, SUI	SITOR-A: 0806 msg to KNY 27
	KNY 27	Swiss E Wash., DC, USA	SITOR-A: 0806 tfc to HBD 20
22969.0	HBD 20	MFA Berne, SUI	SITOR-A: 1256 tfc to HBD 41, 1505 tfc to HBD 31, 1606 tfc to HBD 41
	HBD 31	Swiss E Buenos Aires, ARG	SITOR-A: 1507+1625 msg to HBD 20
	HBD 41	Swiss E Pretoria, AFS	SITOR-A: 1256+1605 msg (51gs) to HBD 20
22973.0	GPA 3	Portishead R, G	SITOR-A: 0648-1828 tts CW
22975.5	HBD 20	MFA Berne, SUI	SITOR-A: 1250 tfc to HBD 31
	HBD 31	Swiss E Buenos Aires, ARG	SITOR-A: 1251+1520 msg to HBD 20
	HBD 66	Swiss E Ott., ONT, CAN	SITOR-A: 1600 msgs to HBD 20
22990.0	SDK 96	ST Stockholm, S	SITOR-A: 0742-1828 tts

23000.0 - 23200.0 FIXED + Mobile except aeronautical mobile (R) < 540 >

23004.0	LZH 4	BTA Sofia, BUL	(hx 11502.0 kHz)
23005.7		MFA Athens, GRC	SITOR-A: 1446 encrypted msg + msg, Greek final tfc, s. off
23010.0	MKK	RAF London, G	VFT: 1422 ryi
	RCC 76	Moscow Meteo, RU, URS	(hx 7670.0 kHz)
23035.0	AFE 70	USAF Cp. Canaveral, FL, USA	SSB
	AFE 83	USAF Wideawake, ASC	SSB
	AFE 86	USAF Cedar Grove, ATG	SSB
23041.4	SKW 20	Stockholm Air, S	SSB
23050.0	RWZ 77	Moscow Meteo, RU, URS	(hx 11525.0 kHz)
23116.7		MFA Cairo, EGY	SITOR-A: 1051 ATU-A msg to Conakry

23200.0 - 23350.0 AERONAUTICAL FIXED + AERONAUTICAL MOBILE (OR)

23234.2	'RFFA'	MOD Paris, F	ARQ-M2 200 Bd: B: 1343 operational msg to 'RFQP'

23305.2	'RFQP'	FF Jibuti, DJI	ARQ-M2 200 Bd: A: 1510 "controle de voie" to 'RFFA' (QPB)
23331.5	KVM 70	Honolulu Meteo, HWA	FAX // 9982.5 kHz $
23340.3	CLP 1	MFA Habana, CUB	1933 msg (5fgs) + msg to CLP 18, s. off

23350.0 - 24000.0 FIXED + MOBILE except aeronautical mobile < 541 542 >

23355.0		MFA Lagos, NIG	FEC-A 96 Bd: 1540 tfc
		Nigerian E Jakarta, INS	FEC-A 96 Bd: 1720 tfc to Lagos
		Nigerian E Kinshasa, ZAI	FEC-A 96 Bd: 1543 msg (51gs) + tfc to Lagos
23360.2	HGX 50	Hungar. E Jakarta, INS	0710 clg HGX 21
23370.0	HZN 50	Jeddah Meteo, ARS	100 Bd: 0610-1748 wx
23380.0	MKD	RAF Akrotiri, CYP	VFT: 1129-1840 ryi COMB
23391.5	LOL	AN Buenos Aires, ARG	75 Bd: 1930 clg OBC
23405.0	SOY 240B	PAP Warsaw, POL	SITOR-B: 1400 Polish nx
23408.0	SOY 240B	PAP Warsaw, POL	CW
23425.0	KKN 44	USE Monrovia, LBR	CW
23460.0	Y7A 88	MFA Berlin, DDR	1418-1742 ry or tfc
23505.7	SAM	MFA Stockholm, S	SWED-ARQ: 0714 tfc
23522.9	JMH 7	Tokyo Meteo, J	FAX // 3622.5 kHz $
23527.9	SAM 83	Swedish E Santiago, CHL	75 Bd: 1645 msgs to SAM
23545.0	DFX 54	PIAB Bonn, D	FEC-A 96 Bd: 0700+0900 G nx
23570.0	PCW 29	Dutch E Harare, ZWE	SITOR-A: 0931 msgs to PCW 1
23586.0	SAM	MFA Stockholm, S	SWED-ARQ: 0848 tfc to SAM 75
	SAM 75	Swedish E Nairobi, KEN	SWED-ARQ: 0848 msgs to SAM
23642.0	KWS 78	USE Athens, GRC	CW
23692.6	DFX 69	PIAB Bonn, D	FEC-A 96 Bd: 1200+1300 G nx
23697.6	DFX 69H6	PIAB Bonn, D	FEC-A 96 Bd: 1500+1600+1700 G nx
23710.0		SAF Moscow, RU, URS	SSB
23713.5	'K'	Beacon Khabarovsk, SE, URS	CW (hx 7904.5 kHz)
23715.0	'RFLI'	FF Fort de France, MRT	ARQ-M2 96 Bd: B: 1657 "controle de voie" (LIH)
23865.0	9VF 235	KYODO Singapore, SNG	FAX // 16230.0 kHz
23906.0	OMZ	MFA Prague, TCH	CW
23972.0	JMG 6	Tokyo Meteo, J	1350+1452+1616+1649 wx, 2339 ry
23975.0	KKN 50	MFA Washington, DC, USA	CW
23997.5	GHH	Jamestown Meteo, SHN	1000+1400 ry, wx

24000.0 - 24890.0 FIXED + LAND MOBILE < 542 >

24000.0	Y7A 89	MFA Berlin, DDR	1304+1512 ry 100 Bd: 1426+1602 ry CW
24006.7		MFA Islamabad, PAK	SITOR-A: 1148 tfc
24008.0	SAM	MFA Stockholm, S	SWED-ARQ: 1155 tfc to SAM 67
	SAM 67	Swedish E Colombo, SLK	SWED-ARQ: 1155 msg + tfc to SAM
24060.0		MFA Lagos, NIG	FEC-A 96 Bd: 1100+1600 msg (E press review)
24102.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 1751 msgs
24300.0	Y7A 90	MFA Berlin, DDR	1635 ry
24304.0	ZAA 6	ATA Tirana, ALB	(sp 9133.0 kHz)
24310.0	'RFGW'	MFA Paris, F	FEC-A 144 Bd: 0612 tfc
24340.0	RNR 4	Magadan Meteo, FE, URS	(hx 12170.0 kHz)
24369.0	'U'	Beacon Murmansk, RU, URS	CW (hx 12184.5 kHz)
24460.0	FJY 3	DTRE Dumont d'Urv., ADL	VFT: ARQ-M2 96 Bd: A: 0830 ry

24655.0	MKD	RAF Akrotiri, CYP	VFT: 1058+1401 ryi
24711.7	'RFTJFA'	FF Praia, Santiago, CPV	ARQ-E3 96 Bd: 1325 "controle de cle" to 'RFFA' (AFL)
24790.0	ISX 24	ANSA Rome, I	0900 F nx, 1100+1200+1500 E nx, 1600 F nx
24800.0	Y7A 91	MFA Berlin, DDR	0815-1605 tfc
24855.0	MKD	RAF Akrotiri, CYP	VFT: 1025+1534 ryi COMB
24870.0	'RFHJ'	FF Papeete, Tahiti, OCE	ARQ-M2 96 Bd: A: 0839 "controle de voie", 2352 encrypted msg after "KKKK..." (HJL)

24890.0 - 24990.0 AMATEUR + AMATEUR-SATELLITE < 510 542 543 >

24922.3	'RETENX'	Burgos, E	1338 msgs to 'RETEMZA'

24990.0 - 25005.0 STANDARD FREQUENCY AND TIME SIGNAL

25005.0 - 25010.0 STANDARD FREQUENCY AND TIME SIGNAL + Space Research

25010.0 - 25070.0 FIXED + MOBILE except aeronautical mobile

25012.0	FDY	FAF Orleans, F	1505+1629 ry
25025.0	OBY 2	Paita R, PRU	CW
25045.0	OBC 3	Callao R, PRU	CW
25052.0	OMP 81	Prague R, TCH	CW
25065.0	JFA	Matsudo F R, J	CW
	OBF 4	Mollendo R, PRU	CW
	OFJ 25	Helsinki R, FNL	CW
25069.0	Y5M	Rügen R, DDR	CW

25070.0 - 25210.0 MARITIME MOBILE < 544 >

25071.0	ship stations calling, ch A	CW
25073.0	ship stations calling, ch C	CW
25075.0	ship stations calling, ch B	CW
25076.3	ship stations, non-paired	
25076.8	ship stations, non-paired	
25077.3	ship stations, non-paired	
25077.8	ship stations, non-paired	
25078.3	ship stations, non-paired	
25078.8	ship stations, non-paired	
25079.3	ship stations, non-paired	
	ship stations	QSX 26163.3 kHz (LFZ 2)
25079.8	ship stations, non-paired	
25080.3	ship stations, non-paired	
25080.8	ship stations, non-paired	
25081.3	ship stations, non-paired	
25081.8	ship stations, non-paired	
25082.3	ship stations, non-paired	
25082.8	ship stations, non-paired	
25083.3	ship stations, non-paired	
25083.8	ship stations, non-paired	
25084.3	ship stations, non-paired	
25084.8	ship stations, non-paired	

25085.3		**ship stations, non-paired**	
25085.8		**ship stations, non-paired**	
		ship stations	**QSX 25380.0 kHz (NMF)**
25086.3		**ship stations, non-paired**	
25086.8		**ship stations, non-paired**	
25087.3		**ship stations, non-paired**	
25087.8		**ship stations, non-paired**	
25088.3		**ship stations, non-paired**	
25088.8		**ship stations, non-paired**	
		ship stations	**QSX 26172.8 kHz (LFZ 3)**
25089.3		**ship stations, non-paired**	
25089.8		**ship stations, non-paired**	
25110.0	OBQ 5	Iquitos R, PRU	CW
25130.0	ROT	SN Moscow, RU, URS	CW
25130.5	LPD 34	General Pacheco R, ARG	CW
25135.0	OST 8	Oostende R, BEL	CW
25143.0	OMP 82	Prague R, TCH	CW
25160.0	LSA	Boca R, ARG	CW
25165.0	VHP	RAN Canberra, ACT, AUS	CW
25196.0	DAM	Norddeich R, D	CW
25197.0	LSA	Boca R, ARG	CW

25210.0 - 25550.0 FIXED + MOBILE except aeronautical mobile

25223.0	**HBD 20**	**MFA Berne, SUI**	**SITOR-A: 1500 msg (F/G nx)**
25225.0	**UMV**	**Murmansk R, RU, URS**	**(sp 25255.0 kHz)**
25255.0	**UMV**	**Murmansk R, RU, URS**	**1003+1428 R tts wtsca**
25262.0	OXZ 95	Lyngby R, DNK	CW
25271.5	**ISX 25**	**ANSA Rome, I**	**0900 F nx**
25277.0	ZSC 41	Capetown R, AFS	CW
25285.0	**UMV**	**Murmansk R, RU, URS**	**(sp 25255.0 kHz)**
25308.0	LFR	Rogaland R, NOR	CW
	Y5M	Rügen R, DDR	CW
25315.0	**'RPFN'**	**PN Lisbon, POR**	**1258 clg + msgs to PWZ**
25320.6	**DFZ 32**	**PIAB Bonn, D**	**FEC-A 96 Bd: 1100 G nx**
25329.0	FUM	FN Papeete, Tahiti, OCE	CW (hx 12664.5 kHz)
25345.0	ZRQ 8	SAN Capetown, AFS	CW
25355.0	AQP 13	PN Karachi, PAK	CW
25377.0	UQK	Riga R, LA, URS	CW (hx 12688.5 kHz)
25380.0	*NMF*	*USCG San Franc., CA, USA*	*scheduled; QSX 25085.8 kHz*
25382.5	LFZ	Rogaland R, NOR	CW
25390.1	**GKY 2**	**Portishead R, G**	**SITOR-A: 1042-1520 tts**
			SITOR-B: 1500+1900 tfc list
			CW
25401.0	SVA 8	Athens R, GRC	CW
25412.0	**UQK**	**Riga R, LA, URS**	**(hx 12706.0 kHz)**
			CW (hx 12706.0 kHz)
25415.5	SAB 25	Goeteborg R, S	CW
25419.5	**DMK**	**MFA Bonn, D**	**ARQ-E 96 Bd: 1606 msgs**
25437.0	**OXZ**	**Lyngby R, DNK**	**SITOR-A: 0937-1600 tts**
			SITOR-B: 0930 wx
			CW
25440.5	OXZ	Lyngby R, DNK	SSB
25444.0	OXZ	Lyngby R, DNK	SSB
25447.0	**GYA**	**RN London, G**	**75 Bd: 1046+1510 test**
25458.0	**UFL**	**Vladivostok R, SE, URS**	**(hx 12729.0 kHz)**
25461.0	SAG 25	Goeteborg R, S	CW
25500.0	HEO 55	Berne Air, SUI	SSB
25535.0	SVD 8	Athens R, GRC	CW

25550.0 - 25670.0 RADIO ASTRONOMY < 545 >

25590.0	NAR	USN Key West, FL, USA	CW

25670.0 - 26100.0 BROADCASTING

25734.0	SUH 3	Alexandria R, EGY	CW (hx 8578.0 kHz)
25775.0	EAD 44	Aranjuez R, E	CW (hx 12887.5 kHz)
25850.0	UQA 4	Murmansk R, RU, URS	CW (hx 12925.0 kHz)

26100.0 - 26175.0 MARITIME MOBILE < 520B 544 >

26100.5	***worldwide***	***NBDPT MSI frequency***	
26103.0	4XO	Haifa R, ISR	CW (hx 13051.5 kHz)
26108.0	DAN	Norddeich R, D	CW
26124.0	CLA 32	Habana R, CUB	CW (hx 13062.0 kHz)
26130.0	**VMA**	**RAAF Melb., VIC, AUS**	**VFT: 0733 foxes**
26135.1	SAG	Goeteborg R, S	SSB QSX 25044.6 kHz
26144.4	SAG	Goeteborg R, S	SSB QSX 25053.9 kHz
26150.6	SAG	Goeteborg R, S	SSB QSX 25060.1 kHz
26163.3	**LFZ 2**	**Rogaland R, NOR**	**SITOR-A: 0823 tts; QSX 25079.3 kHz**
26172.8	***LFZ 3***	***Rogaland R, NOR***	***scheduled; QSX 25088.8 kHz***

26175.0 - 27500.0 FIXED + MOBILE except aeronautical mobile < 546 >

26227.5	DAF	Norddeich R, D	CW
26240.0	**'RFFA'**	**MOD Paris, F**	**ARQ-M2 96 Bd: B: 0710 "controle de voie" to 'RFTJ' (ISG)**
26303.5		**Vitoria, E**	**1325 msgs to Pamplona**
26340.0	DAL	Norddeich R, D	CW
26440.0	**'RFTJ'**	**FF Dakar, SEN**	**ARQ-M2 96 Bd: A: 0718 msg to 'RFFA' (SGI)**
26441.5	**DFZ 64**	**PIAB Bonn, D**	**FEC-A 96 Bd: 1100+1200 G nx**
26450.0	**Y7A 92**	**MFA Berlin, DDR**	**1220-1501 ry or tfc**
26455.0	Y5M	Rügen R, DDR	CW
26463.5		**Banglad. E Colombo, SLK**	**ARQ-E 96 Bd: 1133 tfc to Dhaka**
26515.0	**NIO**	**USN Inchon, KOR**	**VFT: 75 Bd: 1633 tfc + msgs to NPO**
26820.0	**FJY 2**	**DTRE Port-aux-Francais, KER**	**VFT: ARQ-M2 96 Bd: A: 0831 to Paris**
27017.0	OST 82	Oostende R, BEL	CW
27160.0	**HMF 36**	**KCNA Pyongyang, KRE**	**(hx 13580.0 kHz)**

27500.0 - 28000.0 FIXED + METEOROLOGICAL AIDS + MOBILE

28000.0 - 29700.0 AMATEUR + AMATEUR-SATELLITE

28164.0	**ZAO 3**	**PTT Tirana, ALB**	**(hx 9388.0 kHz)**
28271.4		**Italian E Maputo, MOZ**	**SITOR-A: 0720-1145 tfc + msgs to Rome**
28290.0	**ZAT**	**ATA Tirana, ALB**	**(hx 9430.0 kHz)**
28734.0	**BZP 54**	**XINHUA Beijing, CHN**	**(hx 14367.0 kHz)**
28904.0	**HMF 57**	**KCNA Pyongyang, KRE**	**(hx 14452.0 kHz)**
29020.0	**RIC 75**	**TASS Moscow, RU, URS**	**(hx 14510.0 kHz)**
29440.0	**RKB 58**	**TASS Moscow, RU, URS**	**(hx 14720.0 kHz)**

29550.0	RED 54	TASS Moscow, RU, URS	(hx 9850.0 kHz)
29700.0 - 30000.0		**FIXED + MOBILE**	
29702.5	C8Z 650	ICRC Maputo, MOZ	SITOR-A: 1035 msg + final tfc to HBC 88, s. off; 1500 msgs to HBC 88
	HBC 88	ICRC Geneva, SUI	SITOR-A: 1036+1500 tfc to C8Z 650
29802.0	CLN 451	PL Habana, CUB	(hx 14901.0 kHz)

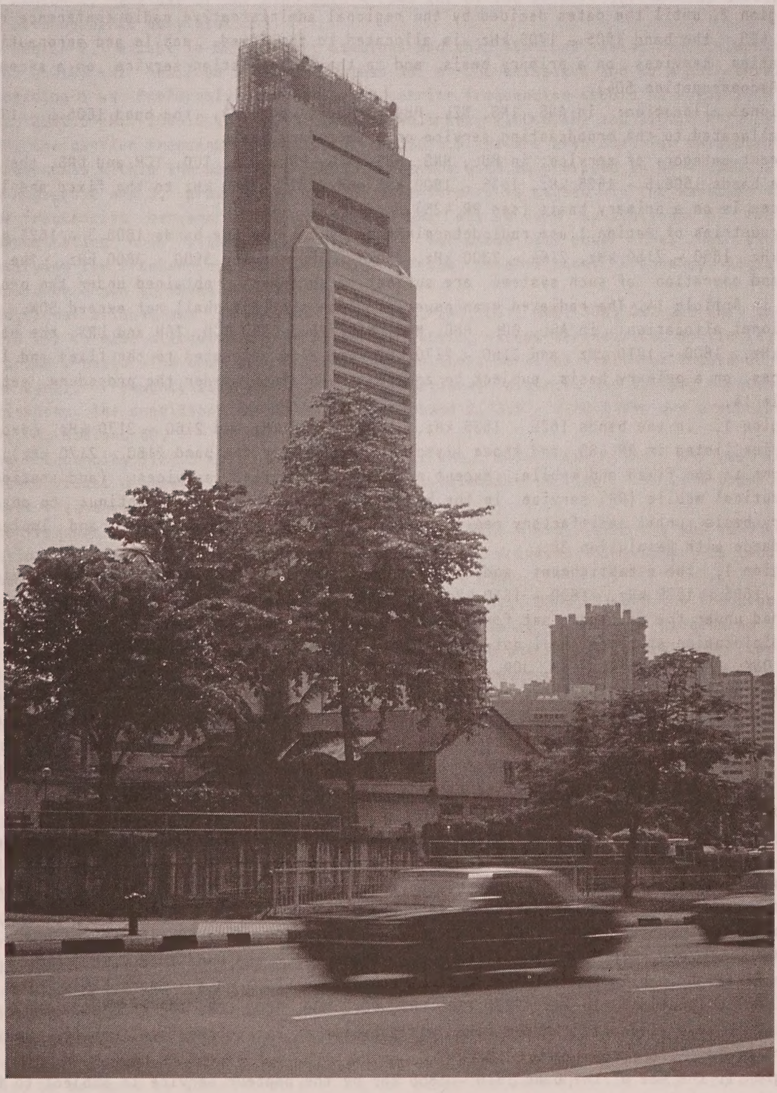

Figure 3 - Telecommunication Authority of Singapore (TAS) Comcentre on Exeter Road (see page 19)

3.4 Footnotes

RR 444 Administrations authorizing the use of frequencies below 9 kHz shall ensure that no harmful interference is caused thereby to the services to which the bands above 9 kHz are allocated (see RR 1816).

RR 445 Administrations conducting scientific research using frequencies below 9 kHz are urged to advise other administrations that may be concerned in order that such research may be afforded all practicable protection from harmful interference.

RR 480 In Region 2, the use of the band 1605 - 1705 kHz by stations of the broadcasting service shall be subject to a plan to be established by a regional administrative radio conference (see Recommendation 504).

RR 480A In the band 1605 - 1705 kHz, in cases where a broadcasting station of Region 2 is concerned, the service area of the maritime mobile stations in Region 1 shall be limited to that provided by ground-wave propagation.

RR 481 In Region 2, until the dates decided by the regional administrative radio conference referred to in RR 480, the band 1605 - 1705 kHz is allocated to the fixed, mobile and aeronautical radionavigation services on a primary basis and to the radiolocation service on a secondary basis (see Recommendation 504).

RR 482 Additional allocation: in AUS, INS, NZL, PHL, SNG, SLK and THA, the band 1606.5 - 1705 kHz is also allocated to the broadcasting service on a secondary basis.

RR 483 Different category of service: in BUL, HNG, MNG, NIG, POL, DDR, TCD, TCH and URS, the allocation of the bands 1606.5 - 1625 kHz, 1635 - 1800 kHz and 2107 - 2160 kHz to the fixed and land mobile services is on a primary basis (see RR 425).

RR 484 Some countries of Region 1 use radiodetermination systems in the bands 1606.5 - 1625 kHz, 1635 - 1800 kHz, 1850 - 2160 kHz, 2194 - 2300 kHz, 2502 - 2850 kHz and 3500 - 3800 kHz. The establishment and operation of such systems are subject to agreement, obtained under the procedure set forth in Article 14. The radiated mean power of these stations shall not exceed 50W.

RR 485 Additional allocation: in AGL, BUL, HNG, MNG, NIG, POL, DDR, TCD, TCH and URS, the bands 1625 - 1635 kHz, 1800 - 1810 kHz and 2160 - 2170 kHz are also allocated to the fixed and land mobile services on a primary basis subject to agreement obtained under the procedure set forth in Article 14.

RR 486 In Region 1, in the bands 1625 - 1635 kHz, 1800 - 1810 kHz and 2160 - 2170 kHz (except in the countries listed in RR 485 and those listed in RR 499 for the band 2160 - 2170 kHz), existing stations in the fixed and mobile, except aeronautical mobile, services (and stations of the aeronautical mobile (OR) service in the band 2160 - 2170 kHz) may continue to operate on a primary basis until satisfactory replacement assignments have been found and implemented in accordance with Resolution 38.

RR 487 In Region 1, the establishment and operation of stations of the radiolocation service in the bands 1625 - 1635 kHz, 1800 - 1810 kHz and 2160 - 2170 kHz shall be subject to agreement obtained under the procedure set forth in Article 14 (see also RR 486). The radiated mean power of radiolocation stations shall not exceed 50 W. Pulse systems are prohibited.

RR 488 In D, DNK, FNL, HNG, IRL, ISR, JOR, MLT, NOR, POL, DDR, G, S, TCH and URS, administrations may allocate up to 200 kHz to their amateur service in the bands 1715 - 1800 kHz and 1850 - 2000 kHz. However, when allocating the bands within this range to their amateur service, administrations shall, after prior consultation with administrations of neighbouring countries, take such steps as may be necessary to prevent harmful interference from their amateur service to the fixed and mobile services of other countries. The mean power of any amateur station shall not exceed 10 W.

RR 489 In Region 3, the Loran system operates either on 1850 kHz or 1950 kHz, the bands occupied being 1825 - 1875 kHz and 1925 - 1975 kHz respectively. Other services to which the band 1800 - 2000 kHz is allocated may use any frequency therein on condition that no harmful interference is caused to the Loran system operating on 1850 kHz or 1950 kHz.

RR 490 Alternative allocation: in D, AGL, AUT, BEL, BUL, CME, COG, DNK, EGY, E, ETH, F, GRC, I, LBN, LUX, MWI, HOL, POR, SYR, DDR, SOM, TZA, TUN, TUR and URS, the band 1810 - 1830 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

RR 491 Additional allocation: in ARS, IRQ, ISR, LBY, POL, ROU, TCD, TCH, TGO and YUG, the band 1810 - 1830 kHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

RR 492 In Region 1, the use of the band 1810 - 1850 kHz by the amateur service is subject to the condition that satisfactory replacement assignments have been found and implemented in accordance with Resolution 38, for frequencies to all existing stations of the fixed and mobile, except aeronautical mobile, services operating in this band (except for the stations of the countries listed in RRs 490, 491 and 493). On completion of satisfactory transfer, the authorization to use the band 1810 - 1850 kHz by the amateur service in countries situated totally or partially north of 40° N shall be given only after consultation with the countries mentioned in RRs 490 and 491 to define the necessary steps to be taken to prevent harmful interference between amateur stations and stations of other services operating in accordance with RRs 490 and 491.

RR 493 Alternative allocation: in BDI and LSO, the band 1810 - 1850 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

RR 494 Alternative allocation: in ARG, BOL, CHL, MEX, PRG, PRU, URG and VEN, the band 1850 - 2000 kHz is allocated to the fixed, mobile except aeronautical mobile, radiolocation and radionavigation services on a primary basis.

RR 495 In Region 1, in making assignments to stations in the fixed and mobile services in the bands 1850 - 2045 kHz, 2194 - 2498 kHz, 2502 - 2625 kHz and 2650 - 2850 kHz, administrations should bear in mind the special requirements of the maritime mobile service.

RR 496 In Region 1, the use of the band 2025 - 2045 kHz by the meteorological aids service is limited to oceanographic buoy stations.

RR 497 In Region 2, except in GRL, coast stations and ship stations using radiotelephony in the band 2065 - 2107 kHz shall be limited to class R3E or J3E emissions and to a peak envelope power not exceeding 1 kW. Preferably, the following carrier frequencies should be used: 2065.0 kHz, 2079.0 kHz, 2082.5 kHz, 2086.0 kHz, 2093.0 kHz, 2096.5 kHz, 2100.0 kHz and 2103.5 kHz. In ARG, B and URG, the carrier frequencies 2068.5 kHz and 2075.5 kHz are also used for this purpose, while the frequencies within the band 2072 - 2075.5 kHz are used as provided in RR 4323BD.

RR 498 In Regions 2 and 3, provided no harmful interference is caused to the maritime mobile service, the frequencies between 2065 kHz and 2107 kHz may be used by stations of the fixed service communicating only within national borders and whose mean power does not exceed 50 W. In notifying the frequencies, the attention of the International Frequency Registration Board should be drawn to these provisions.

RR 499 Additional allocation: in ARS, BOT, ETH, IRQ, LSO, LBY, MWI, SOM, SWZ and ZMB, the band 2160 - 2170 kHz is also allocated to the fixed and mobile, except aeronautical mobile (R), services on a primary basis. The mean power of stations in these services shall not exceed 50 W.

RR 500 The carrier frequency 2182 kHz is an international distress and calling frequency for radiotelephony. The conditions for the use of the band 2173.5 - 2190.5 kHz are prescribed in Articles 37, 38, N38 and 60.

RR 500A The frequencies 2187.5 kHz, 4207.5 kHz, 6312 kHz, 8414.5 kHz, 12577 kHz and 16804.5 kHz are international distress frequencies for digital selective calling. The conditions for the use of these frequencies are prescribed in Article N38.

RR 500B The frequencies 2174.5 kHz, 4177.5 kHz, 6268 kHz, 8376.5 kHz, 12520 kHz and 16695 kHz are international distress frequencies for narrow-band direct-printing telegraphy. The conditions for the use of these frequencies are prescribed in Article N38.

RR 501 The carrier frequencies 2182 kHz, 3023 kHz, 5680 kHz, 8364 kHz and the frequencies 121.5 MHz, 156.8 MHz and 243 MHz may also be used, in accordance with the procedures in force for terrestrial radiocommunication services, for search and rescue operations concerning manned space vehicles. The conditions for the use of the frequencies are prescribed in Articles 38 and N38. The same applies to the frequencies 10003 kHz, 14993 kHz and 19993 kHz, but in each of these cases emissions must be confined in a band of plus minus 3 kHz about the frequency.

RR 502 Alternative allocation: in BEL, CYP, DNK, E, F, GRC, ISL, I, MLT, NOR, HOL, POR, G, SNG, SLK, S, TUR and YUG, the band 2194 - 2300 kHz is allocated to the maritime mobile service on a primary basis and to the fixed and land mobile services on a permitted basis.

RR 503 For the conditions for the use of the bands 2300 - 2495 kHz (2498 kHz in Region 1), 3200 - 3400 kHz, 4750 - 4995 kHz and 5005 - 5060 kHz by the broadcasting service, see RRs 406 to 410, 411 and 2666 to 2673.

RR 504 Alternative allocation: in BEL, CYP, DNK, E, F, GRC, IRQ, I, MLT, NOR, HOL, POR, G, S, TUR and YUG, the band 2502 - 2625 kHz is allocated to the maritime mobile service on a primary basis and to the fixed and land mobile services on a permitted basis.

RR 505 The carrier (reference) frequencies 3023 kHz and 5680 kHz may also be used, in accordance with Articles 38 and N38, by stations of the maritime mobile service engaged in coordinated search and rescue operations.

RR 506 Administrations are urged to authorize the use of the band 3155 - 3195 kHz to provide a common worldwide channel for low power wireless hearing aids. Additional channels for these devices may also be assigned by administrations in the bands between 3155 kHz and 3400 kHz to suit local needs. It should be noted that frequencies in the range 3000 kHz to 4000 kHz are suitable for hearing aid devices which are designed to operate over short distances within the induction field.

RR 507 Alternative allocation: in BEL, CME, CYP, CTI, DNK, EGY, E, F, GRC, ISL, I, LBR, MLT, NOR, HOL, G, SNG, SLK, S, TGO, TUR and YUG, the band 3155 - 3200 kHz is allocated to the maritime mobile service on a primary basis and to the fixed and land mobile services on a permitted basis.

RR 508 Additional allocation: in AUS, B, CAN, USA, J, MEX, NZL, PRU and URG, the band 3230 - 3400 kHz is also allocated to the radiolocation service on a secondary basis.

RR 509 Additional allocation: in HND, MEX, PRU and VEN, the band 3500 - 3750 kHz is also allocated to the fixed and mobile services on a primary basis.

RR 510 For the use of the bands allocated to the amateur service at 3.5 MHz, 7.0 MHz, 10.1 MHz, 14.0 MHz, 18.068 MHz, 21.0 MHz, 24.89 MHz and 144 MHz in the event of natural disasters, see Resolution 640.

RR 511 Additional allocation: in B, the band 3700 - 4000 kHz is also allocated to the radiolocation service on a primary basis.

RR 512 Alternative allocation: in ARG, BOL, CHL, EQA, PRG, PRU and URG, the band 3750 - 4000 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

RR 513 Alternative allocation: in BOT, LSO, MWI, MOZ, NMB, AFS, SWZ, ZMB and ZWE, the band 3900 - 3950 kHz is allocated to the broadcasting service on a primary basis. The use of this band by the broadcasting service is subject to agreement obtained under the procedure set forth in Article 14 with neighbouring countries having services operating in accordance with the Table.

RR 514 Additional allocation: in CAN, the band 3950 - 4000 kHz is also allocated to the broadcasting service on a primary basis. The power of broadcasting stations operating in this band shall not exceed that necessary for a national service within the frontiers of this country and shall not cause harmful interference to other services operating in accordance with the Table.

RR 515 Additional allocation: in GRL, the band 3950 - 4000 kHz is also allocated to the broadcasting service on a primary basis. The power of the broadcasting stations operating in this band shall not exceed that necessary for a national service and shall in no case exceed 5 kW.

RR 516 In Region 3, the stations of those services to which the band 3995 - 4005 kHz is allocated may transmit standard frequency and time signals.

RR 517 The use of the band 4000 - 4063 kHz by the maritime mobile service is limited to ship stations using radiotelephony (see RR 4374 and Appendix 16).

RR 518 In AFG, AUS, BOT, CHN, IND, SWZ, TCD and URS, in the bands 4063 - 4123 kHz, 4130 - 4133 kHz and 4408 - 4438 kHz, stations of limited power in the fixed service which are situated at least 600 km from the coast may operate on condition, that harmful interference is not caused to the maritime mobile service.

RR 519 On condition that harmful interference is not caused to the maritime mobile service, the frequencies in the bands 4063 - 4123 kHz and 4130 - 4438 kHz may be used exceptionally by stations in the fixed service communicating only within the boundary of the country in which they are located with a mean power not exceeding 50 W.

RR 520 The conditions for the use of the carrier frequencies 4125 kHz and 6215.5 kHz are prescribed in Articles 37, 38, N38 and 60.

RR 520A The frequency 4209.5 kHz is used exclusively for the transmission by coast stations of meteorological and navigational warnings and urgent information to ships by means of narrow-band direct printing techniques (see Resolution 332 (MOB-87)).

RR 520B The frequencies 4210 kHz, 6314 kHz, 8416.5 kHz, 12579 kHz, 16806.5 kHz, 19680.5 kHz, 22376 kHz and 26100.5 kHz are the international frequencies for the transmission of Maritime Safety Information (MSI) (see Resolution 333 (MOB-87) and Appendix 31).

RR 521 Different category of service: in URS, the allocation of the band 5130 - 5250 kHz to the mobile, except aeronautical mobile, service is on a primary basis (see RR 425).

RR 522 On condition that harmful interference is not caused to the maritime mobile service, the bands 6200 - 6213.5 kHz and 6220.5 - 6525 kHz may be used exceptionally by stations in the fixed service, communicating only within the boundary of the country in which they are located, with a mean power not exceeding 50 W. At the time of notification of these frequencies, the attention of the International Frequency Registration Board will be drawn to the above conditions.

RR 524 The band 6765 - 6795 kHz (centre frequency 6780 kHz) is designated for industrial, scientific and medical (ISM) applications. The use of this frequency band for ISM applications shall be subject to special authorization by the administration concerned, in agreement with other administrations whose radiocommunication services might be affected. In applying this provision, administrations shall have due regard to the latest CCIR Recommendations.

RR 525 Different category of service: in MNG and URS, the allocation of the band 6765 - 7000 kHz to the land mobile service is on a primary basis (see RR 425).

RR 526 Additional allocation: in AGL, IRQ, KEN, RRW, SOM and TGO, the band 7000 - 7050 kHz is also allocated to the fixed service on a primary basis.

RR 527 Alternative allocation: in EGY, ETH, GUI, LBY, MDG, MWI and TZA, the band 7000 - 7050 kHz is allocated to the fixed service on a primary basis.

RR 528 The use of the band 7100 - 7300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3.

RR 529 In Region 3, the stations of those services to which the band 7995 - 8005 kHz is allocated may transmit standard frequency and time signals.

RR 529A The conditions for the use of the carrier frequencies 8291 kHz, 12290 kHz and 16420 kHz are prescribed in Articles 38, N38 and 60.

RR 530 On condition that harmful interference is not caused to the broadcasting service, frequencies in the bands 9775 - 9900 kHz, 11650 - 11700 kHz and 11975 - 12050 kHz may be used by stations in the fixed service communicating only within the boundary of the country in which they are located, each station not using a total radiated power exceeding 24 dBW.

RR 531 The bands 9775 - 9900 kHz, 11650 - 11700 kHz, 11975 - 12050 kHz, 13600 - 13800 kHz, 15450 - 15600 kHz, 17550 - 17700 kHz and 21750 - 21850 kHz are allocated to the fixed service on a primary basis subject to the procedure described in Resolution 8. The use of these bands by the broadcasting service shall be subject to provisions established by the World Administrative Radio Conference for the Planning of HF Bands Allocated to the Broadcasting Service (see Resolution 508). The provisions of Resolution 512 (HFBC-87) also apply. Within these bands, the date of commencement of operations in the broadcasting service on a planned channel shall not be earlier than the date of completion of satisfactory transfer, according to the procedure described in Resolution 8, of all assignments to stations in the fixed service operating in accordance with the Table and other provisions of the Radio Regulations, which are recorded in the Master Register and which may be affected by broadcasting operations on that channel.

RR 532 The bands 12230 - 12330 kHz, 16360 - 16460 kHz, 17360 - 17410 kHz, 18780 - 18900 kHz, 19680 - 19800 kHz and 22720 - 22855 kHz are allocated to the fixed service on a primary basis subject to the procedure described in Resolution 8. The use of these bands by the maritime mobile service shall be subject to provisions to be decided by a competent world administrative radio conference. The date of commencement of operations in the maritime mobile service on a frequency in accordance with the above-mentioned provisions shall not be earlier than the date of completion of satisfactory transfer, in accordance with the procedure described in Resolution 8, of all assignments to stations in the fixed service operating in accordance with the Table and other provisions of the Radio Regulations which are recorded in the Master Register and which may be affected by maritime mobile operations on that frequency.

RR 533 In making assignments to stations of other services to which the band 13360 - 13410 kHz is allocated, administrations are urged to take all practicable steps to protect the radio astronomy service from harmful interference. Emissions from space or airborne stations can be particularly serious sources of interference to the radio astronomy service (see RRs 343 and 344 and Article 36).

RR 534 The band 13553 - 13567 kHz (centre frequency 13560 kHz) is designated for industrial, scientific and medical (ISM) applications. Radiocommunication services operating within this band must accept harmful interference which may be caused by these applications. ISM equipment operating in this band is subject to the provisions of RR 1815.

RR 535 Additional allocation: In AFG, CHN, CTI, IRN and URS, the band 14250 - 14350 kHz is also allocated to the fixed service on a primary basis. Stations of the fixed service shall not use a radiated power exceeding 24 dBW.

RR 536 In Region 3, the stations of those services to which the band 15995 - 16005 kHz is allocated may transmit standard frequency and time signals.

RR 537 The band 18068 - 18168 kHz is allocated to the fixed service on a primary basis subject to the procedure described in Resolution 8. The use of this band by the amateur and amateur-satellite services shall be subject to the complete transfer of all assignments to stations in the fixed service operating in this band and recorded in the Master Register, in accordance with the procedure described in Resolution 8.

RR 538 Additional allocation: in URS, the band 18068 - 18168 kHz is also allocated to the fixed service on a primary basis for use within the boundary of URS, with a peak envelope power not exceeding 1 kW.

RR 539 Alternative allocation: in BUL, HNG, MNG, POL, TCH and URS, the band 21850 - 21870 kHz is allocated to the aeronautical fixed and the aeronautical mobile (R) services on a primary basis.

RR 540 Additional allocation: in NIG, the band 22720 - 23200 kHz is also allocated to the meteorological aids service (radiosondes) on a primary basis.

RR 541 The use of the band 23350 - 24000 kHz by the maritime mobile service is limited to inter-ship radiotelegraphy.

RR 542 Additional allocation: in KEN, the band 23600 - 24900 kHz is also allocated to the meteorological aids service (radiosondes) on a primary basis.

RR 543 The band 24890 - 24990 kHz is allocated to the fixed and land mobile services on a primary basis subject to the procedure described in Resolution 8. The use of this band by the amateur and amateur-satellite services shall be subject to the completion of the satisfactory transfer of all assignments to fixed and land mobile stations operating in this band and recorded in the Master Register, in accordance with the procedure described in Resolution 8.

RR 544 The bands 25110 - 25210 kHz and 26100 - 26175 kHz are also allocated to the fixed and land mobile services on a primary basis subject to the procedure described in Resolution 8. The use of these bands on an exclusive basis by the maritime mobile service shall be subject to provisions to be decided by a competent world administrative radio conference. The date of commencement of operations in the maritime mobile service on a frequency in accordance with the above-mentioned provisions shall not be earlier than the date of completion of satisfactory transfer, in accordance with the procedure described in Resolution 8, of all assignments to stations in the fixed and land mobile services operating in accordance with the Table and other provisions of the Radio Regulations recorded in the Master Register and which may be affected by such maritime mobile operations on that frequency.

RR 545 The band 25550 - 25600 kHz is allocated to the fixed and land mobile, except aeronautical mobile, service on a primary basis subject to the procedure described in Resolution 8. The use of this band by the radio astronomy service shall be subject to the completion of satisfactory transfer of all assignments to stations in the fixed and mobile, except aeronautical mobile, services operating in this band and recorded in the Master Register, in accordance with the procedure described in Resolution 8. The band 25600 - 25670 kHz is allocated to the broadcasting service on a primary basis, subject to provisions to be established by the world administrative radio conference for the planning of HF bands allocated to the broadcasting service (see Resolution 508). After completion of all the above-mentioned provisions, all emissions capable of causing harmful interference to the radio astronomy service in the band 25550 - 25670 kHz shall be avoided. The use of passive sensors by other services will also be authorized.

RR 546 The band 26957 - 27283 kHz (centre frequency 27120 kHz) is designated for industrial, scientific and medical (ISM) applications. Radiocommunication services operating within this band must accept harmful interference which may be caused by these applications. ISM equipment operating in this band is subject to the provisions of RR 1815.

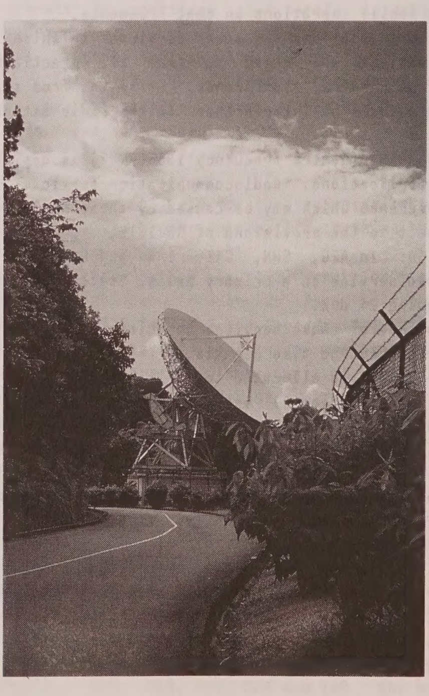

Figure 4 - Telecommunication Authority of Singapore (TAS) Satellite Earth Station on Sentosa Island (see page 19)

4 Identification of stations

Section I - General provisions

RR 2055 All transmissions shall be capable of being identified either by identification signals or by other means.

RR 2055.1 In the present state of technique, it is recognized nevertheless that the transmission of identifying signals for certain radio systems (e. g. radiodetermination, radio relay systems and space systems) is not always possible.

RR 2056 All transmissions with false or misleading identification are prohibited.

RR 2057 Where practicable and in appropriate services, identification signals should be automatically transmitted in accordance with relevant CCIR Recommendations.

RR 2058 All transmissions in the following services should, except as provided in RRs 2066 to 2068, carry identification signals:

RR 2059 a) amateur service;

RR 2060 b) broadcasting service;

RR 2061 c) fixed service in the bands below 28000 kHz;

RR 2062 d) mobile service;

RR 2063 e) standard frequency and time signal service.

RR 2064 All operational transmissions by radiobeacon stations shall carry identification signals. However, it is recognized that, for radiobeacons and for certain other radionavigation services that normally carry identification signals, during periods of malfunction or other non-operational service the deliberate removal of identification signals is an agreed means of warning users that the transmission cannot safely be used for navigational purposes.

RR 2065 When identification signals are transmitted they shall comply with the previsions of this Article.

RR 2066 However, the requirements for certain transmissions to carry identification signals need not apply to:

RR 2067 a) survival craft stations when transmitting distress signals automatically;

RR 2068 b) emergency position-indicating radiobeacons.

RR 2069 In transmissions carrying identification signals a station shall be identified by a call sign .. or by other recognized means of identification which may be one or more of the following: name of station, location of station, operating agency, official registration mark, flight identification number, selective call number or signal, selective call identification number or signal, characteristic signal, characteristic of emission or other clearly distinguishing features readily recognized internationally.

RR 2070 For transmissions carrying identification signals, in order that stations may be readily identified, each station shall transmit its identification as frequently as practicable during the course of transmissions, including those made for tests, adjustments or experiments. During such transmissions, however, identification signals shall be transmitted at least hourly, preferably within the period from five minutes before to five minutes after the hour (UTC) unless to do so would cause unreasonable interruption of traffic, in which case identification shall be given at the beginning and end of transmissions.

RR 2071 Identification signals shall wherever practicable be in one of the following forms:

RR 2072 a) speech, using simple amplitude or frequency modulation;

RR 2073 b) international Morse code transmitted at manual speed;

RR 2074 c) a telegraph code compatible with conventional printing equipment;

RR 2075 d) any other form recommended by the CCIR.

RR 2076 To the extent possible the identification signal should be transmitted in accordance with relevant CCIR Recommendations.

RR 2077 Administrations should ensure that wherever practicable superimposed identification methods be employed in accordance with CCIR Recommendations.

RR 2078 When a number of stations work simultaneously in a common circuit, either as relay stations, or in parallel or different frequencies, each station shall, as far as practicable, transmit its own identification or those of all the stations concerned.

RR 2079 Administrations shall ensure, except in the cases mentioned in RRs 2066 to 2068, that all transmissions not carrying identification signals can be identified by other means when they are capable of causing harmful interference to the services of another administration operating in accordance with these Regulations.

RR 2080 Administrations shall, having regard to the provisions of these Regulations relating to the notification of assignments for recording in the Master Register, adopt their own measures to ensure compliance with the provisions of RR 2079.

RR 2081 Each Member reserves the right to establish its own measures for identifying its stations used for national defence. However, it shall use, as far as possible, call signs recognizable as such, and containing the distinctive characters of its nationality.

Section II – Allocation of international series and assignment of call signs

RR 2082 All stations open to the international public correspondence service, all amateur stations, and other stations which are capable of causing harmful interference beyond the boundaries of the country to which they belong, shall have call signs from the international series allocated to each country as given in the Table of Allocation of International Call Sign Series in Appendix 42 (see chapter V of this reference book.)

RR 2086 Between administrative radio conferences, the Secretary-General is authorized to deal with questions relating to changes in the allocation of series of call signs, on a provisional basis, and subject to confirmation by the following conference ...

RR 2089 Each country shall choose the call signs .... from the international series allocated or supplied to it; and shall, in accordance with Article 26, notify this information to the Secretary-General together with the information which is to appear in Lists I, II, IV, V, VI and VIII A. These notifications do not include call signs assigned to amateur and experimental stations.

RR 2091 The Secretary-General shall ensure that the same call sign .... is not assigned more than once and that call signs which might be confused with distress signals, or with other signals of the same nature, are not assigned.

RR 2092 When a fixed station uses more than one frequency in the international service, each frequency may be identified by a separate call sign used solely for this frequency.

RR 2093 When a broadcasting station uses more than one frequency in the international service, each frequency may be identified by a separate call sign used solely for this frequency or by some other appropriate means, such as announcing the name of the place and frequency used.

RR 2094 When a land station uses more than one frequency, each frequency may, if desired, be identified by a separate call sign.

RR 2095 Where practicable, coast stations should use a common call sign for each frequency series.

RR 2095.1 By "frequency series" is meant a group of frequencies each of which belongs to one of the different bands between 4000 kHz and 27500 kHz that are allocated exclusively to the maritime mobile service.

Section III – Formation of call signs

RR 2096 The twenty-six letters of the alphabet, as well as digits in the cases specified below, may be used to form call signs. Accented letters are excluded.

RR 2097 However, the following combinations shall not be used as call signs:

RR 2098 a) combinations which might be confused with distress signals or with other signals of a similar nature;

RR 2099 b) combinations reserved for the abbreviations to be used in the radiocommunication services (see Appendices 13 and 14);

RR 2100 c) for amateur stations, combinations commencing with a digit when the second character is the letter O or the letter I.

RR 2101 Call signs in the international series are formed as indicated in RRs 2102 to 2122. The first two characters shall be two letters or a letter followed by a digit or a digit followed by a letter. The first two characters or in certain cases the first character of a call sign constitute the nationality identification.

RR 2101.1 For call sign series beginning with B, F, G, I, K, M, N, R and W, only the first character is required for nationality identification. In the cases of half series, the first three characters are required for nationality identification.

RR 2102 Land and fixed stations

RR 2103
- two characters and one letter, or
- two characters and one letter followed by not more than three digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

RR 2104 However, it is recommended that, as far as possible, the call signs of fixed stations consist of:
- two characters and one letter followed by two digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

RR 2105 Ship stations

RR 2106
- two characters and two letters, or
- two characters, two letters and one digit (other than the digits 0 or 1).

RR 2107 However, ship stations employing only radiotelephony may also use a call sign consisting of:
- two characters (provided that the second is a letter) followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter), or
- two characters and one letter followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

RR 2108 Aircraft stations

RR 2109
- two characters and three letters.

RR 2110 Ship´s survival craft stations

RR 2111
- the call sign of the parent ship followed by two digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

RR 2112 Emergency position-indicating radiobeacon stations

RR 2113
- the Morse letter B and/or the call sign of the parent ship to which the radiobeacon belongs.

RR 2114 Aircraft survival craft stations

RR 2115
- the complete call sign of the parent aircraft (see RR 2109), followed by a single digit other than 0 or 1.

RR 2116 Land mobile stations

RR 2117
- two characters (provided that the second is a letter) followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter); or
- two characters and one or two letters followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

RR 2118 Amateur and experimental stations

RR 2119
- one character (see RR 2101.1) and a single digit (other than 0 or 1), followed by a group of not more than three letters, or
- two characters and a single digit (other than 0 or 1), followed by a group of not more than three letters.

RR 2120 However, the prohibition of the use of the digits 0 and 1 does not apply to amateur stations.

RR 2121 Stations in the space service

RR 2122 When call signs for stations in the space service are employed it is recommended that they consist of:
- two characters followed by two or three digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

Section IV - Identification of stations using radiotelephony

RR 2123 Stations using radiotelephony shall be identified as indicated in RRs 2124 to 2133.

RR 2124 Coast stations
- a call sign (see RR 2103); or
- the geographical name of the place as it appears in the List of Coast Stations, followed preferably by the word RADIO or by any other appropriate indication.

RR 2125 Ship stations
- a call sign (see RRs 2106 and 2107); or
- the official name of the ship preceded, if necessary, by the name of the owner on condition that there is no possible confusion with distress, urgency and safety stations; or
- its selective call number or signal.

RR 2126 Ship´s survival craft stations
- a call sign (see RR 2111); or
- a signal of identification consisting of the name of the parent ship followed by three digits.

RR 2127 Emergency position-indicating radiobeacon stations
When speech transmission is used (see RR 3265):
- the name and/or the call sign of the parent ship to which the radiobeacon belongs.

RR 2128 Aeronautical stations
- the name of the airport or geographical name of the place followed, if necessary, by a suitable word indicating the function of the station.

RR 2129 Aircraft stations
- a call sign (see RR 2109), which may be preceded by a word designating the owner or the type of aircraft; or
- a combination of characters corresponding to the official registration mark assigned to the aircraft; or
- a word designating the airline, followed by the flight identification number.

RR 2130 In the exclusive aeronautical mobile frequency bands, aircraft stations using radiotelephony may use other methods of identification, after special agreement between governments, and on condition that they are internationally known.

RR 2131 Aircraft survival craft stations
- a call sign (see RR 2115).

RR 2132 Base stations
- a call sign (see RR 2103); or
- the geographical name of the place followed, if necessary, by any other appropriate indication.

RR 2133 Land mobile stations
- a call sign (see RR 2117); or
- the identity of the vehicle or any other appropriate indication.

Section V - Selective call numbers in the Maritime Mobile Service

RR 2134 When stations of the maritime mobile service use selective calling devices in accordance with Appendices 38 and 39, their call numbers shall be assigned by the responsible administrations in accordance with the provisions below.

RR 2135 Formation of ship station selective call numbers and coast station identification numbers

RR 2136 The ten digits from 0 to 9 inclusive shall be used to form selective call numbers.

RR 2137 However, combinations of numbers commencing with the digits 00 (zero, zero) shall not be used when forming the identification numbers for coast stations.

RR 2138 Ship station selective call numbers and coast station identification numbers in the series are formed as indicated in RRs 2139, 2140 and 2141.

RR 2139 Coast station identification numbers
- four digits (see RR 2137).

RR 2140 Ship station selective call numbers
- five digits.

RR 2141 Predetermined group of ship stations
- five digits consisting of
  - the same digit repeated five times; or
  - two different digits repeated alternately.

RR 2142 Assignment of ship station selective call numbers and coast station identification numbers

RR 2143 In cases where selective call numbers for ship stations and identification numbers for coast stations are required for use in the maritime mobile service and the selective calling system is in accordance with Appendix 39, the selective call numbers and identification numbers shall be supplied by the Secretary-General on request. Upon notification by an administration of the introduction of selective calling for use in the maritime mobile service:

RR 2144 a) selective call numbers for ships will be supplied as required in blocks of 100 (one hundred);

RR 2145 b) coast station identification numbers will be supplied in blocks of 10 (ten) to meet actual requirements;

RR 2146 c) selective call numbers for selective calling of predetermined groups of ship stations in accordance with RR 2141 will be supplied as required as single numbers.

RR 2147 Each administration shall choose the selective call numbers to be assigned to its ship stations from the blocks of the series supplied to it.

RR 2148 Each administration shall choose the coast station identification numbers to be assigned to its coast stations from the blocks of the series supplied to it.

Section VI - Maritime Mobile Service Identities in the Maritime Mobile Service and the Maritime Mobile-Satellite Service

RR 2149 When a station in the maritime mobile service or the maritime mobile-satellite service is required to use maritime mobile service identities, the responsible administration shall assign the identity to the station in accordance with the provisions described in Appendix 43 and Resolution 320 (Mob-83), taking into consideration relevant CCIR and CCITT Recommendations.

Section VII - Special provisions

RR 2150 In the aeronautical mobile service, after communication has been established by means of the complete call sign, the aircraft station may use, if confusion is unlikely to arise, an abbreviated call sign or identification consisting of:

RR 2151 a) in radiotelegraphy, the first character and last two letters of the complete call sign (see RR 2109);

RR 2152 b) in radiotelephony:
- the first character of the complete call sign; or
- the abbreviation of the name of the owner of the aircraft (company or individual); or
- the type of aircraft;

followed by the last two letters of the complete call sign (see RR 2109) or by the last two characters of the registration mark.

RR 2153 The provisions of RRs 2150, 2151 and 2152 may be amplified or modified by agreement between administrations concerned.

RR 2154 The distinguishing signals allotted to ships for visual and aural signalling shall, in general, agree with the call signs of ship stations.

Call sign formation possibilities

Note: The actual number of combinations may be less, in order to comply with RRs 2097 - 2100.
.. represents the first two characters of allocated call sign series (see chapter 5)

Type of station	RR	Permitted formations	Combinations	Remarks
Aircraft	2109	..AAA - ..ZZZ	17576	
Aircraft survival craft	2115	p2 - p9	8 per aircraft	p = complete call sign of the parent aircraft (see RR 2109)
Amateur	2119	f0A - f9Z	260	f = first character, provided it is B, F, G, I, K, M, N, R or W (see RR 2101)
	2120	f0AA - f9ZZ	6760	
		f0AAA - f9ZZZ	175760	
		..0A - ..9Z	260	call signs commencing with a digit when the second character is the letter O or I are not permitted (see RR 2100)
		..0AA - ..9ZZ	6760	
		..0AAA - ..9ZZZ	175760	
Emergency position-indicating radio beacon	2113	B	no limit	B = Morse letter B
		p		p = call sign of the parent ship (see RRs 2106 and 2107)
		Bp		
Experimental	2119	f2A - f9Z	208	f = first character, provided it is B, F, G, I, K, M, N, R or W (see RR 2101)
		f2AA - f9ZZ	5408	
		f2AAA - f9ZZZ	140608	
		..2A - ..9Z	208	
		..2AA - ..9ZZ	5408	
		..2AAA - ..9ZZZ	140608	
Fixed	2103	..A - ..Z	26	
		..A2 - ..Z9	208	
		..A20 - ..Z99	2080	recommended, as far as possible (see RR 2104)
		..A200 - ..Z999	20800	
Land	2103	..A - ..Z	26	
		..A2 - ..Z9	208	
		..A20 - ..Z99	2080	
		..A200 - ..Z999	20800	
Land mobile	2117	.s2000 - .s9999	8000	s = second character, provided it is a letter
		..A2000 - ..Z9999	208000	
		..AA2000 - ..ZZ9999	5408000	
Ship	2106	..AA - ..ZZ	676	
		..AA2 - ..ZZ9	5408	
	2107	.s2000 - .s9999	8000	s = second character, provided it is a letter
		..A2000 - ..Z9999	208000	
Ship´s survival craft	2111	p00 - p99	100 per ship	if last char. of p is a digit (p = call sign of the parent ship (see RRs 2106 and 2107))
		p20 - p99	80 per ship	if last character of p is a letter
Space service	2122	..00 - ..99	100	if second character is a digit
		..000 - ..999	1000	
		..20 - ..99	80	if second character is a letter
		..200 - ..999	800	

5 Table of allocation of international call sign series

For the reverse list, giving countries and the corresponding international call sign series, see chapter 24.

AA – AL	United States of America
AM – AO	Spain
AP – AS	Pakistan
AT – AW	India
AX	Australia
AY – AZ	Argentina
A2	Botswana
A3	Tonga
A4	Oman
A5	Bhutan
A6	United Arab Emirates
A7	Qatar
A8	Liberia
A9	Bahrain
B	China and Taiwan
CA – CE	Chile
CF – CK	Canada
CL – CM	Cuba
CN	Morocco
CO	Cuba
CP	Bolivia
CQ – CU	Portugal
CV – CX	Uruguay
CY – CZ	Canada
C2	Nauru
C3	Andorra
C4	Cyprus
C5	Gambia
C6	Bahamas
C7	World Meteorological Organization
C8 – C9	Mozambique
DA – DR	Germany (Federal Republic of)
DS – DT	Korea (Republic of)
DU – DZ	Philippines
D2 – D3	Angola
D4	Cape Verde
D5	Liberia
D6	Comoros
D7 – D9	Korea (Republic of)
EA – EH	Spain
EI – EJ	Ireland
EK	Union of Soviet Socialist Republics
EL	Liberia
EM – EO	Union of Soviet Socialist Republics
EP – EQ	Iran
ER – ES	Union of Soviet Socialist Republics
ET	Ethiopia
EU – EW	Byelorussia
EX – EZ	Union of Soviet Socialist Republics
F	France
G	United Kingdom
HA	Hungary
HB	Switzerland
HC – HD	Ecuador
HE	Switzerland
HF	Poland
HG	Hungary
HH	Haiti
HI	Dominican Republic
HJ – HK	Colombia
HL	Korea (Republic of)
HM	Korea (Democratic People´s Republic of)
HN	Iraq
HO – HP	Panama
HQ – HR	Honduras
HS	Thailand
HT	Nicaragua
HU	El Salvador
HV	Vatican City State
HW – HY	France
HZ	Saudi Arabia
H2	Cyprus
H3	Panama
H4	Solomon Islands
H6 – H7	Nicaragua
H8 – H9	Panama
I	Italy
JA – JS	Japan
JT – JV	Mongolia
JW – JX	Norway
JY	Jordan
JZ	Indonesia
J2	Djibouti
J3	Grenada
J4	Greece
J5	Guinea-Bissau
J6	Saint Lucia
J7	Dominica
J8	Saint Vincent and the Grenadines
K	United States of America
LA – LN	Norway
LO – LW	Argentina
LX	Luxembourg
LY	Union of Soviet Socialist Republics
LZ	Bulgaria
L2 – L9	Argentina
M	United Kingdom
N	United States of America
OA – OC	Peru
OD	Lebanon
OE	Austria
OF – OJ	Finland

OK – OM	Czechoslovakia
ON – OT	Belgium
OU – OZ	Denmark
PA – PI	Netherlands
PJ	Netherlands Antilles
PK – PO	Indonesia
PP – PY	Brazil
PZ	Suriname
P2	Papua New Guinea
P3	Cyprus
P4	Aruba
P5 – P9	Korea (Democratic People´s Republic of)
R	Union of Soviet Socialist Republics
SA – SM	Sweden
SN – SR	Poland
SSA – SSM	Egypt
SSN – ST	Sudan
SU	Egypt
SV – SZ	Greece
S2 – S3	Bangla Desh
S6	Singapore
S7	Seychelles
S9	Sao Tome and Principe
TA – TC	Turkey
TD	Guatemala
TE	Costa Rica
TF	Iceland
TG	Guatemala
TH	France
TI	Costa Rica
TJ	Cameroon
TK	France
TL	Central African Republic
TM	France
TN	Congo
TO – TQ	France
TR	Gabon
TS	Tunisia
TT	Chad
TU	Ivory Coast
TV – TX	France
TY	Benin
TZ	Mali
T2	Tuvalu
T3	Kiribati
T4	Cuba
T5	Somalia
T6	Afghanistan
T7	San Marino
UA – UQ	Union of Soviet Socialist Republics
UR – UT	Ukrainia
UU – UZ	Union of Soviet Socialist Republics
VA – VG	Canada
VH – VN	Australia
VO	Canada
VP – VS	United Kingdom
VT – VW	India
VX – VY	Canada
VZ	Australia
V2	Antigua and Barbuda
V3	Belize
V4	Saint Kitts and Nevis
V6	Micronesia
V7	Marshall Islands
V8	Brunei
W	United States of America
XA – XI	Mexico
XJ – XO	Canada
XP	Denmark
XQ – XR	Chile
XS	China and Taiwan
XT	Bourkina Faso
XU	Kampuchea
XV	Viet Nam
XW	Laos
XX	Portugal
XY – XZ	Myanmar
YA	Afghanistan
YB – YH	Indonesia
YI	Iraq
YJ	Vanuatu
YK	Syria
YL	Union of Soviet Socialist Republics
YM	Turkey
YN	Nicaragua
YO – YR	Romania
YS	El Salvador
YT – YU	Yugoslavia
YV – YY	Venezuela
YZ	Yugoslavia
Y2 – Y9	German Democratic Republic
ZA	Albania
ZB – ZJ	United Kingdom
ZK – ZM	New Zealand
ZN – ZO	United Kingdom
ZP	Paraguay
ZQ	United Kingdom
ZR – ZU	South Africa (Republic of)
ZV – ZZ	Brazil
Z2	Zimbabwe
2	United Kingdom
3A	Monaco
3B	Mauritius
3C	Equatorial Guinea
3DA – 3DM	Swaziland
3DN – 3DZ	Fiji
3E – 3F	Panama
3G	Chile
3H – 3U	China and Taiwan
3V	Tunisia
3W	Viet Nam
3X	Guinea
3Y	Norway
3Z	Poland
4A – 4C	Mexico
4D – 4I	Philippines
4J – 4L	Union of Soviet Socialist Republics
4M	Venezuela

4N - 4O	Yugoslavia
4P - 4S	Sri Lanka
4T	Peru
4U	United Nations
4V	Haiti
4W	Yemen Arab Republic
4X	Israel
4Y	International Civil Aviation Organization
4Z	Israel
5A	Libya
5B	Cyprus
5C - 5G	Morocco
5H - 5I	Tanzania
5J - 5K	Colombia
5L - 5M	Liberia
5N - 5O	Nigeria
5P - 5Q	Denmark
5R - 5S	Madagascar
5T	Mauritania
5U	Niger
5V	Togo
5W	Samoa (Western)
5X	Uganda
5Y - 5Z	Kenya
6A - 6B	Egypt
6C	Syria
6D - 6J	Mexico
6K - 6N	Korea (Republic of)
6O	Somalia
6P - 6S	Pakistan
6T - 6U	Sudan
6V - 6W	Senegal
6X	Madagascar
6Y	Jamaica
6Z	Liberia
7A - 7I	Indonesia
7J - 7N	Japan
7O	Yemen (People´s Democratic Republic of)
7P	Lesotho
7Q	Malawi
7R	Algeria
7S	Sweden
7T - 7Y	Algeria
7Z	Saudi Arabia
8A - 8I	Indonesia
8J - 8N	Japan
8O	Botswana
8P	Barbados
8Q	Maldives
8R	Guyana
8S	Sweden
8T - 8Y	India
8Z	Saudi Arabia
9A	San Marino
9B - 9D	Iran
9E - 9F	Ethiopia
9G	Ghana
9H	Malta
9I - 9J	Zambia
9K	Kuwait
9L	Sierra Leone
9M	Malaysia
9N	Nepal
9O - 9T	Zaire
9U	Burundi
9V	Singapore
9W	Malaysia
9X	Rwanda
9Y - 9Z	Trinidad and Tobago

6 Call sign list of utility stations

Listed are
- call sign;
- name of the station, and ITU country/geographical symbol;
- frequency (-ies) in kHz.

An asterisk * indicates a RTTY station or frequency, or RTTY used on this frequency alternately with other type(s) of modulation.

In order to meet the size requirements of a compact reference book, a special collective format is used for this list. Two examples will explain the meaning:

"SPB/.. Szczecin R, POL -/8707.0+13062.5 32/6502.0* 61/13073.5*" means

"SPB Szczecin Radio (coastal station), Poland 8707.0 kHz
SPB Szczecin Radio (coastal station), Poland 13062.5 kHz
SPB 32 Szczecin Radio (coastal station), Poland 6502.0 kHz RTTY frequency
SPB 61 Szczecin Radio (coastal station), Poland 13073.5 kHz RTTY frequency"

"9XK* Kigali Air, RRW 9164.0" means

"9XK RTTY station Kigali Aeronautical Fixed Station, Rwanda 9164.0 kHz"

AEM 1USA	USA MARS Heidelberg, D	3883.5
AFA	USAF Andrews AFB, Camp Springs, MD, USA	6730.0 6756.0 11055.0 11246.0 13204.0 13247.0 15041.0 18027.0
AFE	USAF MacDill AFB, Tampa, FL, USA	4746.0 6750.0 11179.0 11246.0 13244.0 18019.0
AFE 70	USAF Cape Canaveral, FL, USA	11414.0 20192.0 23035.0
AFE 83	USAF Wideawake, ASC	10780.0 13244.0 19961.0 20192.0 23035.0
AFE 86	USAF Cedar Grove, ATG	10780.0 19149.4 23035.0
AFH	USAF Albrook AFB, Balboa, PNR	15015.0 18019.0 20885.0
AFI	USAF McClellan AFB, Sacramento, CA, USA	6730.0 11239.0 13201.0 15031.0 18002.0
AFL	USAF Loring AFB, Limestone, ME, USA	5688.0
AFS	USAF AWS Offutt AFB, Omaha, NE, USA	3226.0* 3229.0 6902.0* 6905.0 11118.0* 11121.0 19324.0* 19327.0
AGA	USAF Hickam AFB, Honolulu, HWA	8964.0 11179.0 18002.0
AIC	USAF Clark AFB, Luzon, PHL	6738.0 9011.0 13201.0 18002.0
AIE	USAF Andersen AFB, GUM	8967.0
AIF 80	USAF Yokota, J	8967.0 10523.5
AIR	USAF MARS Andrews AFB, Camp Springs, MD, USA	13993.0 14393.0*
AJE*	USAF AWS Croughton, G	15870.0
AJE	USAF Croughton, G	3067.0 5703.0 6750.0 7568.0* 7571.8 9011.0 9237.5* 9242.2 9328.0* 9334.3 10537.8 11229.0 13214.0 16041.3 17975.0
AJO	USAF Adana, TUR	13214.0 15015.0
AKA	USAF Elmendorf AFB, Anchorage, ALS	13201.0
AOK	USN Rota, E	4704.0 5785.0 5917.5 6970.0* 7665.5 7705.0 7958.0* 8530.0* 9050.0* 9370.0* 9382.5 9425.0* 9875.0 10106.0* 12074.0* 12141.0* 13237.5* 13520.0* 13670.0* 13676.0* 14360.0* 15789.8* 15925.0* 15942.1* 17585.0 18990.0* 20348.1*
AQP	PN Karachi, PAK	2/2457.5 3/4325.0 4/6390.0 5/8490.0 6/13011.0 7/17093.6 8/22425.0 9/19473.0 10/20490.0 13/25355.0
ARA*	Karachi Air/Meteo, PAK	14458.0 19682.8
ARL 16	Karachi, PAK	19782.0

ASK	Karachi R, PAK	2352.5 3884.4 4250.0 4400.8 4413.2 4425.6 6414.5 6515.7 8658.0 8670.0 8694.0 8725.1 8743.7 8771.6 8811.9 13024.5 13051.5 13141.1 13184.5 13196.9 17050.4 17156.0 17267.0 22676.6 22716.9
ATA	Delhi TS, IND	5000.0 10000.0 15000.0
ATA 55	Delhi Meteo, IND	4993.5
ATB 68*	MEA Delhi, IND	18255.0
ATE 60	Delhi Meteo, IND	10107.5
ATP 57	Delhi Meteo, IND	7403.0
ATP 65*	MEA Delhi, IND	14785.0
ATQ 38	Delhi Meteo, IND	18233.0
ATS 61*	OTS Delhi, IND	10535.0
ATU 58*	MEA Delhi, IND	7775.0
ATV 65	Delhi Meteo, IND	14842.0
AWD*	Delhi Air, IND	4030.0 8071.3
AWM	Madras Air, IND	13455.0
AXF	RAAF Sydney, NSW, AUS	9032.0 13205.5
AXI 3.	Darwin Meteo, NT, AUS	32/5755.0 33/7535.0 34/10555.0 35/15615.0 36/18060.0
AXJ	RAAF Pearce, WA, AUS	8975.5 10844.6 11236.0
AXM 3.	Canberra Meteo, ACT, AUS	31/2628.0 32/5100.0 34/11030.0* 35/13920.0* 37/19690.0*
AYA/29*	INTERPOL Buenos Aires, ARG	-/19405.0 29/24110.0
A3A	Nuku´alofa R, TON	2080.0
A4M	Muscat R, OMA	2604.0 2607.0 3742.0 3745.0 4233.0 4366.7 8445.0 8790.2 12675.5 16868.0
A7D	Doha R, QAT	2601.0 2768.0 3673.0 4231.0 4316.0 4356.0 4382.2 4425.6 8473.0 8630.0 8709.5 8728.2 8796.4 12966.3 13024.0 13100.8 13187.6 16880.0 16935.0 17310.4 22701.4
A7S	GULPECO Doha R, QAT	2370.0
A7S 31	Halul Island R, QAT	2370.0
A9M	Hamala R, BHR	2607.0 2656.0 3745.0 4284.0 4302.0 4394.6 8448.0 8454.0 8716.0 8718.9 8734.4 12698.0 12709.0 13086.5* 13125.6 17169.0 17175.2 17202.0 17285.6 22312.0 22322.0 22584.0* 22611.5
A9M ..*	GNA Manama, BHR	9/4042.5 41/9197.5 70/14764.0
BAA ..*	Beijing Meteo, CHN	8/10320.0 9/5180.5 22/7815.0 23/9193.0 24/5730.0
BAC ..*	PTT Beijing, CHN	7/17131.0 24/14604.0 38/8177.0
BAF/..	Beijing Meteo, CHN	-/3170.0+7600.0+10167.0+14445.0+22742.0 4/10117.0 6/5527.0 8/14367.0 9/16025.0 33/18237.0 36/8122.0 44/7350.5* 47/14340.0*
BAL ..*	PTT Beijing, CHN	2/8716.0 21/10820.0 32/17403.0 34/6815.0
BAP 4.*	XINHUA Beijing, CHN	40/10982.0+21964.0 44/14923.0 46/6915.0
BAT 93*	PTT/XINHUA Beijing, CHN	14760.0
BB. ..*	PTT Shanghai, CHN	A45/10905.0 E52/17400.0
BCA 95*	PTT Shanghai, CHN	13779.0
BCX 22*	PTT Shanghai, CHN	10479.5
BCX 24	ITA Taipei, TAI	14520.0
BDF	Shanghai Meteo, CHN	7420.0 11420.0 15965.0 16435.0 18940.0
BHO 38	Shanghai, CHN	7875.0
BJZ 2.*	Wuhan Meteo, CHN	20/6950.0 21/7863.0 23/10650.0 25/4482.0 27/5315.0
BLM ..*	Chengdu Meteo, CHN	21/5844.0 22/8190.0 23/10470.0 66/4794.0
BMB	Taipei Meteo, TAI	3641.0 5909.0 8117.0 13560.0
BPJ ..*	XINHUA Beijing, CHN	22/14938.0 34/7923.0
BPM	Xi´an TS, CHN	5000.0 10000.0 15000.0
BSB ..*	Lanzhou Meteo, CHN	29/6985.0 35/13360.0
BSF	Taipei TS, TAI	5000.0 15000.0
BUA ..	XINHUA Beijing, CHN	21/5815.0 53/7744.0* 54/14927.0*
BXM 50*	Chinese E Kuala Lumpur, MLA	16501.0

BZC 75*	Urumqi Meteo, CHN	4472.5 5190.0 8040.0 11570.0
BZ. ..*	XINHUA Beijing, CHN	G41/11133.0 G48/17443.0 P51/11680.0 P54/14367.0+28734.0 P57/7520.0 P58/17214.0 P59/9417.0 R62/12265.0 R66/16136.0 R67/7650.0 R68/18872.0 R69/9491.0 S27/7887.0 S28/17470.0 T34/14376.0
BZZ 28	XINHUA Beijing, CHN	9324.0
CAI 7E*	Hanga Roa Air, PAQ	6870.0 13200.0
CAK*	Santiago Air, CHL	5544.0 11100.0 14600.0
CAN 6D	Presidente Eduardo Frei Montalva Meteo, CHL	5302.5 11662.5 15470.0
CBM	DGTMMM Magallanes R, CHL	4322.0 8694.0 13103.9 13153.5 13172.1
CBM 9	ETAL Punta Arenas R, CHL	4357.4 6506.4 8718.9 13103.9
CBO	DGTMMM Punta Corona R, CHL	4247.0 13103.9 13153.5
CBV	DGTMMM Valparaiso R, CHL	1997.5 4228.0 4256.0 4265.0 4301.0 4337.0 4349.0 6337.0 6372.0 6379.5 6393.0 6407.5 6414.5 6428.0 6467.0 8453.0 8461.0 8478.0 8522.0 8606.0 8677.0 12663.0 12714.0 12747.5 12768.0 12826.5 12856.0 12898.5 12957.0 13103.9 13131.8 13153.5 13172.1 13178.3 13184.5 16851.0 16914.5 16947.6 16956.0 17002.4 17039.0 17146.4 17201.5* 17325.9 17353.8 22360.5 22447.0 22473.0 22546.0 22565.5* 22670.4 22716.9
CBV 3	DGTMMM Hanga Roa R, PAQ	2738.0 4357.4 4369.8 4413.2 6506.4 6515.7 8774.7 13131.8
CCM*	CN Magallanes, CHL	7541.5
CCS	CN Santiago, CHL	4764.3* 4766.0 6416.3 6418.0 6978.0* 6981.5 8594.0 8595.5 12958.3* 13525.0 22071.0
CFH	CF Halifax, NS, CAN	122.5* 4255.0 4271.0* 4363.6 5097.0 5684.0 5718.0 6330.0* 6430.0 6509.5 6693.0 6746.0 8697.0 8746.8 9006.0 9010.0 10536.0* 10945.0 12726.0 13187.6 13510.0* 15920.0 16926.5 16944.5 17251.5 22599.1
CFW	Vancouver R, BC, CAN	2538.0 2558.0 4410.1 6515.7 8759.2
CGA 266	Prince Rupert R, BC, CAN	2060.0 2590.0
CHR	CF Trenton, ONT, CAN	6753.0 13527.0 15035.0
CHU	Ottawa TS, ONT, CAN	3330.0 7335.0 14670.0
CJX	CF St. John's, NFLD, CAN	3151.0 5718.0 6753.0 9006.0 15035.0
CKN	CF Vancouver, BC, CAN	124.0 3287.0 4268.0 4422.5 6384.5 6455.5 6456.0 6466.0 6506.4 8463.0 8774.7 12702.0 12753.0 13141.1 16960.0 17310.4 22689.0
CLA ..	Habana R, CUB	2/4235.0 3/4225.0 4/6454.0 5/6337.0 20/8496.0 21/8573.0 22/8690.0 30/12748.0 31/12792.0 32/13062.0+26124.0 33/12673.5 40/16961.0 41/17165.6 50/22396.0 51/22357.5 60/4410.1 62/4357.4 64/8743.7 67/8759.2 68/13150.4 71/13184.5 72/17310.4 75/17316.6 76/22692.1
CLJ	Habana R, CUB	6403.0 6482.0 8541.0 8609.0 12828.0 12838.0 16996.0 17023.0
CLK	Nuevitas R, CUB	2694.0
CLK 2	Santa Cruz del Sur R, CUB	2522.0
CLM	Santiago de Cuba R, CUB	2419.0
CLN ..*	PTT Habana, CUB	21/5160.0 48/6896.0
CLN 219*	PL Habana, CUB	8140.0
CLN 251*	PTT Habana, CUB	9210.0
CLN 327*	PTT Habana, CUB	11600.0
CLN 411*	PL Habana, CUB	13826.5
CLN 414*	PTT Habana, CUB	13950.0
CLN 451*	PL Habana, CUB	14901.0 29802.0
CLN 484*	PTT Habana, CUB	15696.5
CLN 530*	PL Habana, CUB	16348.0
CLN 603*	PL Habana, CUB	18193.5
CLO	Habana R, CUB	2738.0
CLP 1	MFA Habana, CUB	10669.5* 13491.0* 13885.0* 13975.3 14955.5* 14970.0* 16205.0* 18614.0* 18630.0* 19260.0* 19439.0* 19455.0 19961.0* 20035.0* 20110.0* 20190.3* 20195.0* 20405.0* 20434.0 20787.0* 20919.5* 20996.0* 23340.3*
CLP 3*	Cuban E Beirut, LBN	20765.2
CLP 4*	Cuban E Bissau, GNB	20765.5

CLP 5*	Cuban E Moscow, RU, URS	14069.9
CLP 6*	Cuban E Damascus, SYR	20454.7
CLP 18*	Cuban E Dar es Salaam, TZA	15980.0 16070.0
CLP 22*	Cuban E Hanoi, VTN	20925.8
CLP 25*	Cuban E Maputo, MOZ	18820.0
CLS	Habana F R, CUB	4328.0 4349.0 6360.0 6392.0 8489.0 8516.0 12878.0 12919.0 12954.0 16863.5 16921.0 17047.0 17175.2 17189.6 22345.4 22428.0
CLT	Habana R, CUB	2582.0 2711.0
CLT 3	Nueva Gerona F R, CUB	2198.0 2694.0
CLY	Habana R, CUB	4286.0 6327.5 8624.0 12910.0 17083.0 22440.0
CML ..*	PTT Habana, CUB	5/7407.0 28/10220.0
CMU 967	SN Habana, CUB	14492.0
CND	Agadir R, MRC	1911.0 2593.0
CND 3	Safi R, MRC	1743.0 2635.0
CNM 11*	VoA Tanger, MRC	6816.1
CNM ....*	MAP Rabat, MRC	20.1X/7842.4 29/10213.0 37.9X/10634.1 59X9/14574.4 61/14760.0 66X2/15752.7 69.1X/15999.9 76X9/18220.9 80X11/18496.1 85X11/19171.1
CNP	Casablanca R, MRC	2586.0 2663.0 8686.0 8802.6 12695.5 13169.0 17170.4 17347.6
CNW	Tanger R, MRC	1911.0 2635.0
COB 4	Matanzas F R, CUB	2083.0 2836.0
COB 5	Casilda F R, CUB	2406.0
COB 6	Camagüey F R, CUB	2833.0
COB 7	Manzanillo F R, CUB	2030.0
COB 8	Santiago de Cuba F R, CUB	2738.0
COB 20	La Coloma F R, CUB	2315.0
COB 21	Nueva Gerona F R, CUB	2122.0
COB 22	Arroyos de Mantua F R, CUB	2315.0
COB 32	Flota del Golfo F R, CUB	2805.0 4422.5 8725.1
COB 34	Flota Atunera F R, CUB	4382.2 8725.1 13131.8 17248.4 22627.0
COB 35	Batabano F R, CUB	2206.0
COB 36	Flota Cubana F R, CUB	2670.0 4382.2 8725.1 13131.8 17248.4 22627.0
COB 41	Cienfuegos F R, CUB	2406.0 2839.0 4422.5
COB 42	Cardenas F R, CUB	2836.0
COB 52	Caibarien F R, CUB	2824.0
COB 60	Santa Cruz F R, CUB	2110.0
COB 61	Ciego de Avila F R, CUB	2670.0
COB 62	Nuevitas F R, CUB	2833.0
COB 72	Puerto Padre F R, CUB	2787.0
COB 90	Holguin F R, CUB	2787.0
COB 94	Gibara F R, CUB	2787.0
COL	Habana Air, CUB	7848.0 8840.0 15024.0
CSE 4*	PAF Lajes AFB, AZR	13804.0
CSY*	Santa Maria Air, AZR	5474.0 6999.0 9994.0 10540.2 12323.0 14497.5
CTH ..	PN Horta, AZR	3/13067.0+13070.0* 21/3618.5 47/6331.0
CTP	NATO Lisbon, POR	3782.0 6389.0 7564.0 8551.6 8672.5 12702.0 12823.5 16986.0
CTU ..	PN Lisbon, POR	2/12999.5+13002.5* 7/17086.3* 28/8699.5
CTV .	PN Lisbon, POR	4/4235.5* 7/17056.7* 8/8642.0
CTW 8	PN Lisbon, POR	8523.5 8526.5*
CUA ..	CPRM Lisbon, POR	44/9097.5 48/9419.0 67/13380.0* 68/13400.0* 69/13420.0
CUB	Funchal R, MDR	1663.5 2843.0 4434.9
CUG	Ponta Delgada R, AZR	1663.5 2742.0 4434.9
CUL/..	Lisbon R, POR	-/2581.0+2694.0+2781.0+3605.0+4394.6+6509.5+8722.0+13107.0+17225.0*+17276.3+22591.5*+22614.6 4/4292.0 6/6393.5 7/8490.0 8/8469.0 20/12943.5 22/16959.2 24/22479.0
CUW	PAF/USAF Lajes AFB, AZR	4746.0 8964.0 8967.0 9173.0* 11271.0 13244.0
CWA	Cerrito R, URG	4346.0 6435.5 8602.0 12750.0 16871.3 22312.5
CWC 30	UN La Paloma, URG	2638.0 3860.6

CWC 39	UN Montevideo, URG	2638.0 2738.0 3860.6
CWF	Punta Carretas R, URG	2768.5 4357.4 6518.8 13128.7 17260.8 22636.3
CWT	Puerto Montevideo R, URG	2125.0 4297.0
CXR*	UN Montevideo, URG	15950.0 20473.5
C2N	Makwa R, NRU	2201.0 8686.0 8768.5 17194.0
C6N/2	Nassau R, BAH	-/4220.5+6376.0+8441.0+12752.0 2/2522.0+2558.0
C6N 55	Coral Harbour R, BAH	8740.6
C6X 2	Marsh Harbour R, BAH	2582.0
C8E 231	Beira, MOZ	11045.0
C8Z 650*	ICRC Maputo, MOZ	29702.5
C9C 3	MN Maputo, MOZ	4307.0
C9C 6	MN Maputo, MOZ	8642.0
C9C 7	MN Maputo, MOZ	13042.5
C9C 8	MN Maputo, MOZ	2601.0
C9C 9	MN Nacala, MOZ	2601.0
C9C 20	MN Pemba, MOZ	2601.0
C9E 2*	Maputo Air, MOZ	11147.0
C9L 2	Maputo R, MOZ	2575.0 4289.0 8698.0 13056.0
C9L 6	Mocambique R, MOZ	4289.0 8698.0 13056.0
C9L 629*	AIM Maputo, MOZ	15842.5
DA.	Norddeich R, D	B/17082.0 F/4220.5+6363.5+8672.5+12832.5+17048.0+22415.0+26227.5 H/4394.6+8802.6+13134.9+17350.7+22661.1 I/4425.6+8777.8+13153.5+17335.2+22664.2 J/4397.7+6506.4+8768.5+13172.1+17279.4+22614.6 K/4391.5+8762.3+13122.5+17304.2+22710.7 L/4244.0+6456.5+8511.9+13027.5+17177.6+22340.3+26340.0 M/4265.0+6475.5+8638.5+12763.5+16980.4+22476.0+25196.0 N/1796.0+1799.0+1908.0+1911.0+2611.0+2614.0+2727.0*+2799.0+2845.0+2848.0+4308.5+6435.5+8483.5+12898.5+17143.6+22515.0+26108.0 P/4357.4+8790.2+13113.2+17260.8+22645.6
DAO	Kiel R, D	1880.0 1883.0 1915.0 1918.0 2772.0 2775.0
DCF*	Norddeich R, D	17227.0
DCF 30*	DPA Hamburg, D	110.6
DCF 37	Offenbach Meteo, D	117.4
DCF 39	DPA Frankfurt, D	139.0
DCF 42*	PIAB Bonn, D	123.7
DCF 45*	VWD Frankfurt, D	129.1
DCF 54	Offenbach Meteo, D	134.2
DCF 60*	EPD/SID Frankfurt, D	140.3
DCF 77	Mainflingen TS, D	77.5
DCL*	Norddeich R, D	6500.5 17219.5 22576.0
DCM*	Norddeich R, D	17202.0
DDH ..	Hamburg Meteo, D	3/3855.0 7/7646.0* 9/11039.0 47/147.3
DDK .	Hamburg Meteo, D	2/4583.0* 3/7880.0 6/13882.5 8/11638.0*
DEB*	INTERPOL Wiesbaden, D	5208.5 10390.0
DEK 23	DRK Berlin, D	6998.0
DEK 88	ICRC Bonn, D	6998.0
DER*	BKA Bonn, D	2296.4
DFC 37	BMPT Frankfurt, D	3370.0
DFD 2.	BMPT Frankfurt, D	21/4010.0 25/4047.5
DFE ..	DW Cologne feeder, D	25/5195.0 28/5280.0 36/5360.0
DFF 9.	DW Cologne feeder, D	95/6955.0 97/6975.0
DFG ..	DW Cologne feeder, D	49/7490.0 76/7767.5 91/7917.5
DFH 23*	PIAB Bonn, D	8132.0
DFH 23L2*	DW Cologne, D	8130.5
DFJ 27*	PIAB Bonn, D	9141.5
DFK 25L1*	DW Cologne, D	10127.4
DFK 44	DW Cologne feeder, D	10440.0
DFK 92	DW Cologne feeder, D	10922.0
DFL 21	DW Cologne feeder, D	11030.0

DFL 26*	PIAB Bonn, D	11123.6
DFN 92*	PIAB Bonn, D	13926.9 13927.7
DFQ 21L1*	PIAB Bonn, D	16017.4
DFS 70*	PIAB Bonn, D	18702.4 18704.3
DFS 70L3*	DPA Hamburg, D	18697.5
DFU 20H3*	PIAB Bonn, D	20022.4
DFU 20L1*	DW Cologne, D	20019.4
DFU 65*	DPA Hamburg, D	20655.7
DFV 75L1*	DW Cologne, D	21756.4
DFW 36*	HAB Hamburg, D	22361.0
DFX ....*	PIAB Bonn, D	54/23545.0 69/23692.6 69H6/23697.6
DFZ ..*	PIAB Bonn, D	32/25320.6 64/26441.5
DG. ..	HAB Hamburg, D	F41/6418.5* R28/17082.0 W36/22361.0
DHJ 51	Grengel Meteo, D	2342.5 2622.5* 2691.0* 3032.2* 3035.5* 3038.8* 3166.5* 3318.0* 4570.5 4785.5* 9318.0* 13526.0*
DHJ 59	GN Wilhelmshaven, D	1830.5 2680.5 4277.0 6339.0 6913.0 8648.0 12705.0
DHL 26*	LKA Stuttgart, D	5024.5
DHL 28*	LKA Bremen, D	5022.0
DHM 44*	Grengel Meteo, D	4903.0
DHM 91	GAF Münster, D	11217.0 13248.0 17992.0
DHM 95	CF Lahr, D	5690.0 9006.0 13231.0
DHN 37*	Grengel Meteo, D	2822.0 3073.5 4963.5
DMK*	MFA Bonn, D	11538.4 13928.6 14663.5 17518.5 18289.5 22905.5 25419.5
DSB	Pusan F R, KOR	1920.0 2015.0 2091.0 2595.0 2735.0 2812.5 3224.0 3871.0 4249.0 6328.0 8436.0
DSC	Mokp´o F R, KOR	2537.0
DSD	Yosu F R, KOR	2107.5 2521.1 2530.0 2560.0 4284.0 6360.0 8466.0
DSQ	Inchon F R, KOR	2040.0 2438.0 2521.1 2590.0 4252.0 6385.5 8532.0
DSR 52	Geojin F R, KOR	2027.0 2449.0 2530.0 2550.0 2723.6
DSV	Fupo F R, KOR	2521.1 2537.0
DUF	Manila R, PHL	4238.0 6357.0 8476.0 12714.0 16952.0
DUN	PN Manila, PHL	4244.0 4344.0 6366.0 8488.0 8688.0 12732.0 13032.0 16976.0 22351.5 22402.0
DUS	Manila R, PHL	4242.0 6363.0 8484.0 12726.0 16968.0
DUW	Manila R, PHL	4248.0 6372.0 8496.0 12744.0 16992.0
DVB 4	Malabon R, PHL	8756.1
DVC 8	Navotas R, PHL	8746.8
DVF 7	Navotas R, PHL	6506.4
DVG 2	Quezon City R, PHL	8762.3
DVG 8	Quezon City R, PHL	8718.9
DVG 9	Albay R, PHL	8718.9
DVM 2	Makati R, PHL	4298.0 6447.0 8596.0 12894.0
DVM 4	Manila R, PHL	6332.5 8668.0
DVP 3	Quezon City R, PHL	8722.0
DVR 3	Manila R, PHL	6506.4 8722.0
DVR 5	Caloocan City R, PHL	8799.5
DVR 8	Navotas R, PHL	8762.3
DVR 9	Navotas R, PHL	8749.9
DVW 2	Manila R, PHL	8753.0
DVW 9	Quezon City R, PHL	6506.4
DVY 2	Manila R, PHL	4268.0 6402.0 8536.0
DVY 4	Malabon R, PHL	8737.5
DVZ 6	Malabon R, PHL	4282.0 8564.0
DVZ 9	Navotas R, PHL	4222.0 6332.5 8704.0
DXD 9	Davao R, PHL	4334.0 6332.5 8668.0 13002.0
DXF	Davao R, PHL	8600.0 12900.0 16962.5
DXS 3	General Santos City R, PHL	6509.5 8731.3
DYC 7	Bacolod R, PHL	8799.5
DYD 2	Cebu R, PHL	4326.0 6489.0 8652.0 12978.0
DYD 8	Bacolod R, PHL	8504.0

DYE .	Cebu R, PHL	6/4226.0+8443.0+13068.0 9/4226.0+6341.5+8680.0+13020.0
DYF 5	Negros R, PHL	8731.3
DYM	Cebu R, PHL	4338.0 6338.5 8676.0 13014.0
DYP	Cebu R, PHL	4310.0 8620.0 8793.3 12930.0 16902.5
DYS 9	Cebu R, PHL	4363.6 8771.6
DYT 3	Cebu R, PHL	8765.4
DYT 4	Bacolod R, PHL	8811.9
DYU 3	Roxas R, PHL	8796.4
DYV	Iloilo R, PHL	4316.0 4391.5 6474.0 8632.0 12948.0
DYV 9	Victorias R, PHL	6462.0 8616.0
DZA	Mandaluyong R, PHL	6408.0 8608.0 12816.0
DZB 3	Manila R, PHL	8790.2
DZB 7	Malabon R, PHL	4260.0 6390.0 8520.0
DZC 2	Navotas R, PHL	8753.0
DZC 4	Makati R, PHL	8447.0
DZC 7	Malabon R, PHL	8725.1
DZD	Antipolo R, PHL	4286.0 6429.0 8572.0 12858.0 17144.0
DZD 2	Navotas R, PHL	8793.3
DZD 3	Manila R, PHL	4270.0 6405.0 8540.0 12810.0 17080.0
DZD 4	Manila R, PHL	8771.6 13107.0
DZD 8	Manila R, PHL	8749.9
DZD 9	Quezon City R, PHL	4224.0 8439.0
DZE	Mandaluyong R, PHL	4268.0 6402.0 8536.0 12804.0 17124.2
DZE 4	Malabon R, PHL	6344.5 8762.3
DZF	Bacoor R, PHL	4274.0 6411.0 8545.0 8548.0 12828.5 17091.0
DZH/2	Manila R, PHL	-/4324.0+6486.0+8648.0+12972.0 2/6329.5+8664.0
DZI	Bacoor R, PHL	2080.0 4336.0 4382.2 6335.5 6518.8 8672.0 8768.5 13008.0 13159.7 22335.5
DZJ	Bulacan R, PHL	4330.0 4410.1 6326.5 6512.6 8604.3 8759.2 12906.2 12990.0 13100.8 16870.4 16878.5 22323.5
DZJ 7	Makati R, PHL	6325.5 13008.0
DZK	Bulacan R, PHL	4296.0 6444.0 8592.0 12888.0 17184.0
DZK 3	Manila R, PHL	2638.0 4357.4 8722.0
DZL 9	Manila R, PHL	6509.5 8805.7
DZM	Bulacan R, PHL	4328.0 6492.0 8656.0 12984.0
DZM 6	Makati R, PHL	8799.5
DZM 9	Manila R, PHL	4139.5
DZN	Navotas R, PHL	6468.0 8584.0 12936.0 17168.0 22538.0
DZN 3	Navotas R, PHL	8737.5
DZN 4	Manila R, PHL	4348.0 8696.0 13044.0
DZN 9	Navotas R, PHL	8787.1
DZO	Bulacan R, PHL	4290.0 4382.2 6435.0 6518.8 8580.0 12870.0 13159.7 17160.0
DZO 9	Manila R, PHL	4346.0 8692.0 13038.0
DZP	Novaliches R, PHL	4278.0 6417.0 8556.0 12834.0 17112.0
DZQ 9	Navotas R, PHL	8725.1
DZR 2	Navotas R, PHL	8771.6
DZS 4	Manila R, PHL	4413.2 8774.7
DZU	Pasig R, PHL	4318.0 6477.0 8636.0 12954.0
DZV 7	Navotas R, PHL	4428.7
DZW	Manila R, PHL	4262.0 6393.0 8524.0 12786.0 17048.0 22438.0
DZY 7	Manila R, PHL	4256.0 6384.0 8512.0 12768.0 17024.0 22426.0
DZZ	Manila R, PHL	4288.0 4410.1 6432.0 6512.6 8576.0 8740.6 12869.5 13100.8 17152.0 22490.0
D3E/..	Luanda R, AGL	-/2601.0+4394.6+8722.0+8756.1+13107.0+17276.3+17338.3+22614.6 41/6369.0 51/8565.0 52/8694.0 61/12780.0 62/13023.0 71/17189.6 81/22330.5
D4A/6	Mindelo R, Sao Vicente, CPV	-/2439.0+2601.0+2645.0+4394.6+4410.1+8756.1+13119.4+13153.5+17301.1+17338.3 6/8469.0
D4B*	Amilcar Cabral Air, Sal, CPV	6865.9 9154.0 14508.0
D4D	Praia R, Santiago, CPV	2341.0 2439.0 4292.0 4410.1 8469.0 8777.8 12700.0 13153.5 17301.1

D6B ...	PTT Moroni, COM	375/17492.0*+17496.1+17499.5 403/20338.0*+20343.2+20346.5 404/20420.0 408/20817.4+20818.0*+20823.7
EAB	Bagur R, E	1740.0 2714.0
EAC	Tarifa R, E	1678.0 2610.0
EAD/..	Aranjuez R, E	-/4349.0 2/6382.2 3/8682.0 4/13065.0 5/17184.8 6/22446.0 44/12887.5+25775.0
EAE 220	MFA Madrid, E	7761.8* 7767.8* 8012.3* 8101.7* 9236.3* 9341.3* 17420.0 17422.3*
EAF	Finisterre R, E	1698.0 2806.0
EAL	Las Palmas R, CNR	1750.0 2820.0
EAS	Cabo Penas R, E	1757.5 2649.0
EAT	Tenerife R, CNR	1720.0 2606.0
EAV	Cabo de la Nao R, E	1690.0 2799.0
EBA	SN Madrid, E	2841.0 3790.0 4261.0 6388.0* 6408.5 6861.0* 6930.0 8474.0* 8528.5 13059.0 14641.0 17018.0
EBB	SN Ferrol, E	6345.0
EBC	SN Cadiz, E	6840.0 7926.0 12008.0
ECA 7	Madrid Meteo, E	6918.5
EDC 7	Las Palmas Meteo, CNR	13368.0
ED./..	Aranjuez R, E	F/4235.5 F2/6330.0 F3/8473.0 F4/12673.5 F5/16942.8 F6/22384.0 F44/12691.0 G2/6337.0 G3/8457.0 G4/13056.0 G5/17175.2 Z/4269.5 Z2/6400.5 Z4/8618.0+17236.0 Z5/12934.5 Z6/17064.8+17363.8 Z7/22533.0
EHG 8*	Guardia Civil Pamplona, E	5008.0
EHY	Pozuelo del Rey R, E	4372.9 4376.0 4388.4 6515.7 8717.5* 8725.1 8728.2 8746.8 8765.4 10002.3* 13082.0* 13100.8 13128.7 13175.2 13181.4 17200.0* 17322.8 17335.2 17344.5 17350.7 22596.0 22667.3 22682.8
EHY 78	PTT Madrid, E	19154.0 19160.3
EIP*	Shannon Air, IRL	5813.5 8145.0
EJK	Valentia R, IRL	1827.0 2590.0 2614.0
EJM	Malin Head R, IRL	1841.0 2593.0
ELC	Monrovia R, LBR	8518.0 12709.0 16983.0 17146.4 22491.0
ELE 25*	USLRC Harbel, LBR	15940.0
ELH	Harbel R, LBR	4240.0 4379.1 8600.0 8799.5
ELRB*	Monrovia Air, LBR	5393.5 9252.2
ELZ	Cape Palmas R, LBR	4323.6 8606.0 12995.3 16930.8 22416.0
EPD*	Tehran Air, IRN	5107.0 10214.0 12065.0
EPR 88*	ICRC Tehran, IRN	20996.5
EQA	Abadan R, IRN	3247.0 3297.0 4376.0 17245.3
EQI	Abbas R, IRN	2506.0 4403.9 8731.3 17279.4 22443.0 22701.4
EQK	Khoramshahr R, IRN	2506.0 4379.1 17307.3 22443.0 22608.4
EQL	Anzali R, IRN	3247.5 4262.0 4366.7 6355.0 8534.0 8777.8 13101.0
EQM	Bushire R, IRN	3202.0 4349.0 4369.8 6425.0 8698.0 8746.8 12700.0 17319.7 22602.2
EQN	Khomeini R, IRN	2093.0 4349.0 4360.5 6425.0 8698.0 8805.7 12700.0 13193.8 22695.2
EQO	Nowshahr R, IRN	2065.0 4262.0 4388.4 6355.0 8534.0 8768.5 13101.0
EQQ	Khark R, IRN	3202.0 4349.0 4385.3 6425.0 8698.0 12700.0 13159.7
EQR	Lavan R, IRN	4416.3
EQY	IOEPC Mahshahr R, IRN	4293.5
EQZ	IORC Abadan R, IRN	2507.5 4428.7 8471.0 13141.1 16983.2 17285.6
ETC	Assab R, ETH	1656.0 1663.0 4363.6 6340.5 6518.8 8618.0 8731.3 12673.5
ETD 3*	Addis Ababa Air, ETH	5187.2 6736.0 6912.0 9232.2 9462.5 9873.5 11112.5 12174.2
ETG 60	Addis Ababa Air, ETH	7595.0
ETK 4	EA Addis Ababa, ETH	11256.0
FAD 20	FA Paris-les-Loges, F	4897.0
FDC	FAF Metz, F	2844.0 3179.0 3299.0 3634.0 3657.5 3814.0* 4614.5 4988.5 5748.0 5804.5 6856.5
FDC 3	FAF Dijon, F	4042.0 7378.0

FDC 9	FAF Nancy, F	4598.0
FDC 21	FAF Drachenbronn, F	3179.5 5036.5
FDC 22	FAF Contrexeville, F	5446.5
FDE	FAF Villacoublay, F	4753.5
FDG 2	FAE Mont-de-Marsan, F	3188.0 3832.5 4914.5 5270.0
FDG 6	FAF Cazaux, F	6860.0
FDG 21	FAF Cognac, F	3702.0 4562.6 7514.5
FDI	FAF Aix, F	3875.0 4805.0 4864.5 5822.0 7816.5 8130.5
FDX*	FAF Paris, F	3296.5
FDY	FAF Orleans, F	3365.0 3656.0 4010.0 4015.0 4043.0 4518.0 4805.0 4867.5 4906.0 5025.0 5087.5 5110.0 5120.0 5184.0 5342.0 5803.0 5820.0 5870.0 6768.0 6844.5* 6845.0 6875.0 6993.2 7399.0 7410.0 7521.1* 7659.5 7726.0 7802.0* 7805.0 7828.0 7998.0* 8000.0 8050.0 8070.0 8140.0 8194.0 9177.0 9135.0* 9341.0* 9349.3 9898.0* 10105.5 10308.0* 10419.5 11160.0 11445.0 11518.0 12175.0* 13901.0* 15665.5* 20863.0* 25012.0*
FFB	Boulogne-sur-Mer R, F	1694.0 1771.0 2747.0 3795.0
FFC	Arcachon R, F	1820.0 1862.0 2775.0 3722.0
FFD	Saint Denis R, REU	2600.0
FFH	Paris TS, F	2500.0
FFL ..	Saint Lys R, F	2/4328.0 3/6421.5 4/8522.5 6/12912.6 8/17027.0 9/22509.0 21/4366.7 22/4403.9 23/4369.8 24/4413.2 31/6518.8 41/8808.8 42/8793.3 43/8768.5 44/8802.6 61/13178.3 62/13187.6 63/13193.8 64/13165.9 81/17316.6 82/17332.1 83/17242.2 84/17288.7 85/17298.0 86/17245.3 91/22673.5 92/22605.3 93/22701.4 94/22689.0
FFM	Marseille R, F	1906.0 1939.0 2628.0 3795.0
FFO	Saint Nazaire R, F	1687.0 1722.0 2740.0 3795.0
FFP	Fort de France R, MRT	2545.0
FFR	Le Havre Signal R, F	1743.0
FFS .	Saint Lys R, F	4/8510.0 6/12678.0 8/17040.8 9/22318.5
FFT ..	Saint Lys R, F	4/8550.0 6/12655.5 8/16947.6 21/4352.0*+8704.0 31/6501.0* 32/6499.5* 41/8708.5* 43/8713.5* 44/8717.5 61/13074.5* 64/13097.5* 81/17201.0* 83/17222.5* 91/22563.0* 92/22575.5
FFU	Brest - Le Conquet R, F	1673.0 1806.0 1876.0 2691.0 2726.0 3722.0
FGB 55	FMC Biscarrosse, F	10380.0 10680.0
FIS 291	CRS Evry, F	5033.0
FIT 20B*	Bastia Prefecture, F	9157.0
FIT 35*	Rennes Prefecture, F	7655.0
FIT 75*	MOI Paris, F	5104.0 5203.0 7902.0
FJA/..	Papeete R, Tahiti, OCE	-/1755.0+2620.0+2845.0+4403.9+8805.7+17245.3 8/8461.0 26/17040.8 41/4298.0
FJN	Dzaoudzi R, MYT	2663.0
FJP ..	Noumea R, NCL	2/2197.5 4/4366.7 6/6330.0 7/6506.4 8/8698.0 9/8731.3 23/12709.0 24/13113.2
FJY 2*	DTRE Port-aux-Francais, KER	20116.0 26820.0
FJY 3*	DTRE Dumont d´Urville, ADL	24460.0
FJY 4	Martin de Vivies R, AMS	2506.0 4287.0 4388.4 8690.0 8793.3 12722.0
FJY 4*	Martin de Vivies Meteo, AMS	11420.0 14434.5
FLR 20	FA Paris, F	4986.0
FPP 97.*	AFP Paris, F	97F/15978.4 97G/15977.0
FPT 7	DTRE Paris, F	19169.0* 19170.5 19173.5
FSB/..	INTERPOL Paris, F	-/3714.0*+3717.0*+4837.5*+5208.0*+5305.5*+6905.0*+8045.0*+ 12224.5*+15684.0 52/3593.0* 53/4632.5* 54/6792.0* 55/7532.0 57/10390.0* 63/19405.0* 71/10295.0* 72/13520.0*
FTF 84B.H.*	AFP Paris, F	84B.H1/5839.6 84B.H3/5841.0
FTI 2H.*	AFP Paris, F	2H1/8022.3 2H3/8023.7
FTJ 78*	DIPLO Paris, F	9788.0
FTK	AFP Paris, F	56A/10562.2 56H1/10557.9* 56H3/10559.3* 61H1/10614.3*
FTM 2.	DTRE Paris, F	25/12253.0 26/12266.2
FTN 99*	DIPLO Paris, F	13998.0
FTO 35	DTRE Paris, F	14357.5
FTO 79A.H.*	AFP Paris, F	79A.H1/14794.3 79A.H3/14795.7

FTQ 39*	DIPLO Paris, F	16397.5
FTS 67H1*	AFP Paris, F	18669.3
FTS 78*	DIPLO Paris, F	18785.0
FTT 69	DTRE Paris, F	19693.0 19696.3
FTU 8B*	DIPLO Paris, F	20078.0
FTU 31*	DIPLO Paris, F	20315.0
FTU 31B..*	AFP Paris, F	31B.F/20313.2 31B.G/20311.8
FTU 86	DTRE Paris, F	20854.0 20860.2 20863.2
FTW 91*	DIPLO Paris, F	22915.0
FUB	FN Paris, F	15.1* 62.6* 2063.0* 4325.0* 4400.8 4413.2 4455.0* 4643.0* 5217.0* 5265.0* 6365.5* 8749.9 8802.6 12701.0* 12730.0* 13110.1 13165.9 17245.3 17282.5 22639.4 22648.7
FUE	FN Brest, F	4237.5 4246.0 4334.0* 4455.0* 6490.0* 8590.0* 12858.0 17065.0
FUF	FN Fort de France, MRT	4054.0 4232.0 6388.0 8478.5 13031.2 14522.0 16961.5 17108.0* 22390.0 22537.0
FUG	FN La Regine, F	3859.0* 4313.0 6352.0 7619.0* 8666.0 12875.0 16876.0
FUJ	FN Noumea, NCL	4271.0 4590.0 8657.0 16958.0 22461.0
FUM	FN Papeete, Tahiti, OCE	6462.0 8625.0 12664.5 16240.0 17180.0 22544.0 25329.0
FUO	FN Toulon, F	2607.0 4007.5 4345.0 4390.0 8634.0*
FUV	FN Jibuti, DJI	8568.0 13042.5 16905.0 22447.0
FUX	FN Le Port, REU	4334.0 8475.5 12691.0 16915.0
FVA 80	Rosny sur Bois Gendarmerie, F	4061.5 5779.0 7576.0 18046.0
FVZ 99	Saint Pierre Gendarmerie, SPM	18046.0
FYJ 8*	DIPLO Paris, F	9187.5
FZM 62*	DIPLO Noumea, NCL	16106.0
GCC	Cullercoats R, G	1838.0 2719.0 2828.0 3608.3* 3750.0
GFA 2.	Bracknell Meteo, G	21/3289.5 22/4610.0 23/8040.0 24/11086.5 25/14582.5
GFE 2.	Bracknell Meteo, G	21/4782.0 22/9203.0 23/14436.0 24/18261.0 25/2618.5
GFL 2.*	Bracknell Meteo, G	22/6835.0 23/10551.3 24/14356.0 25/18230.0 26/4489.0
GFW	RAF Akrotiri, CYP	4730.0 11234.0 18018.0
GHD	Gallan Head R, G	1856.0 1866.0 2667.0 3607.8*
GHH*	Jamestown Meteo, SHN	6824.0 17413.3 23997.5
GK. ..	Portishead R, G	A2/4286.0 A3/6368.9 A4/8545.9 A5/12822.0 A6/17098.4 A7/22467.0 B2/4274.0 B3/6379.5 B4/8559.5 B5/12835.4 B6/17113.0 B7/22448.7 C2/4251.5 C3/6407.5 C4/8516.0 C5/13019.8 C6/16954.4 C7/22407.3 D2/4256.0 D3/6428.5 D4/8569.0 D5/12788.5 D6/16974.6 D7/22432.0 E2/4350.5* E3/6495.0* E4/8705.5* E5/13072.0* E6/17198.0* E7/22562.0* F5/12815.0 G2/4267.9 G3/6469.3 G4/8591.5 G5/12790.0 G6/17072.0 G7/22503.0 H2/4314.5 H3/6470.8 H4/8604.0 H5/12791.5 H6/17092.0 H7/22525.5 I2/4317.5 I3/6472.3 I4/8606.0 I5/12858.0 I6/17151.2 I7/22528.5 J2/4326.5 J3/6477.5 J4/8684.0 J5/12871.5 J6/16918.8 J7/22545.0 K2/4336.0 K3/6342.0 K4/8552.0 K5/13006.5 K6/17167.5 K7/22494.0 M2/4316.0 M3/6397.0 M4/8581.6 M5/12714.0 M6/17136.8 M7/22527.0 N2/4314.9 N3/6395.9 N4/8580.5 N5/12712.9 N6/17135.7 N7/22525.9 O2/4316.9 O4/8582.5 O5/12714.9 O6/17137.7* O7/22527.9 P2/4353.5* P3/6500.0* P4/8711.0* P5/13085.0* P6/17215.0*+17515.0* P7/22578.0* Q2/4356.5* Q3/6505.0* Q4/8718.0* Q5/13099.0* Q6/17231.0* Q7/22594.0* S5/12770.0* T20/4385.3 T22/4360.5 T26/4372.9 T42/8722.0 T51/13100.8 T52/13103.9 T56/13116.3 T62/17236.0 T66/17248.4 T76/22611.5 U46/8765.4 U49/8774.7 U61/17263.9 U65/17276.3 U68/17285.6 U70/22654.9 U72/22630.1 U74/22636.3 V26/4434.9 V42/8784.0 V46/8796.4 V50/13190.7 V54/13172.1 V58/13184.5 V63/17301.1 V77/22676.6 V79/22682.8 W41/8811.9 W52/13196.9 W60/17353.8 W62/17329.0 W67/17344.5 X70/22716.9 Y2/25390.1* Y6/17218.0* Y7/22590.0*
GKR	Wick R, G	1672.0* 1706.0 1827.0 2604.0 2625.0 2705.0 3610.0
GKX ..	Portishead Air, G	41/8170.0 51/12133.0 52/12170.0 61/16370.0 63/18210.0 71/21765.0
GKZ	Humber R, G	1869.0 2684.0 3607.3* 3738.0 3778.0
GLD	Land's End R, G	1706.0 1841.0 2696.7* 2719.0 2782.0
GND	Stonehaven R, G	1856.0 1946.0 2691.0 2779.0 3615.7* 3617.0 3666.0
GNF	North Foreland R, G	1848.0 2698.0 2733.0

GNI	Niton R, G	1834.0 2628.0 2810.0 3517.0*
GNK	Norwick R, G	1824.0 2832.7*
GPA .*	Portishead R, G	2/13567.5 3/22973.0 4/9118.5 5/13360.7 6/17426.0 7/22900.2
GPK	Portpatrick R, G	1883.0 2607.0 3610.0
GXH	RN/USN Thurso, G	3724.0 4001.0 7504.5 12691.0
GXQ*	BA London, G	4923.0 5102.0 7390.0 7680.0 9147.0 10428.0 10855.0 10890.0 13839.0 14807.0 15945.0 18410.0
GXW	RN Portland, G	3188.6
GY./.	RN London, G	A/2786.0*+2892.0*+3435.3*+3502.0*+3795.0*+4246.3*+4300.3*+6337.9*+6413.8*+6434.8*+6442.8*+6457.0*+6471.2*+7657.5*+7792.0*+8334.0+8613.3*+8706.0*+9130.0*+10346.0*+11010.0*+12772.5*+12807.8*+12897.5*+14634.0*+16115.0+16866.5*+16938.6+17030.6*+18061.0*+18861.0*+19860.0*+19875.0*+20300.5*+22422.0*+22445.4*+22454.3*+22552.0*+25447.0* A1/2813.6 B/82.8 C2/4300.2 C3/6413.7 C4/8613.2 C5/12807.8 C6/17030.4 C7/22454.2 D/12115.0* D3/6436.6 E/15901.0*
GYU	RN Gibraltar, GIB	4221.3 4366.7 5229.0 6371.2 6509.5 7770.0* 8476.0* 8625.2 8626.9* 8737.5 9420.0* 9850.0* 10346.0* 11601.0* 12824.2 12825.8* 13134.9 13473.0* 14759.0 15737.0* 16987.2 16988.8* 17034.0* 17108.0* 17263.9 21790.0* 22630.1
GZZ ..	RN London, G	2/4247.6 6/3436.6 40/8494.6 44/12741.6
HAM	Budapest Air, HNG	7910.8
HAR/6	Budapest R, HNG	-/4239.0+4241.0+4331.0+4385.3+4403.9+4422.5+4431.8+6375.0+6390.0+6506.4+6512.6+6518.8+8451.0+8458.0+8466.0+8616.0+8749.9+8756.1+8784.0+8793.3+8802.6+12780.0+12963.0+12972.0+13103.9+13122.5+13141.1+13184.5+16938.0+17128.0+17130.0+17239.1+17282.5+17313.5+17329.0+22390.0+22500.0+22596.0+22599.1+22630.1+22710.7 6/2581.6
HBC 88	ICRC Geneva, SUI	13915.0* 13965.0 13966.5* 20753.0 20996.5* 29702.5*
HBD 20*	MFA Berne, SUI	5757.0 5767.5 7661.7 7668.7 9169.3 10956.2 10968.0 10973.5 13571.0 13576.4 13585.2 16107.5 18263.3 18270.5 18273.5 18279.5 20590.3 20598.0 20603.2 20605.3 22964.5 22969.0 22975.5 25223.0
HBD 22*	Swiss E Delhi, IND	18279.5
HBD 31*	Swiss E Buenos Aires, ARG	22969.0 22975.5
HBD 32*	Swiss E Brasilia, B	20605.3
HBD 38*	Swiss E Oslo, NOR	10968.0
HBD 39*	Swiss E Nairobi, KEN	18273.5
HBD 40*	Swiss E Belgrade, YUG	7661.7
HBD 41*	Swiss E Pretoria, AFS	22969.0
HBD 46*	Swiss E Habana, CUB	18270.5 20590.3
HBD 49*	Swiss E Budapest, HNG	5757.0
HBD 54*	Swiss E Rome, I	7668.7
HBD 59*	Swiss E Ankara, TUR	16107.5
HBD 61*	Swiss E Cairo, EGY	20605.3
HBD 66*	Swiss E Ottawa, ONT, CAN	22975.5
HBD 71*	Swiss E Tel Aviv, ISR	20605.3
HBG	Nyon TS, SUI	75.0
HBO 58	Berne Air, SUI	18480.0
HBT 29	Berne Air, SUI	9211.0
HCG	Guayaquil R, EQA	4237.0 4388.4 6456.0 6509.5 8474.0 8731.3 12711.0 13119.4 16948.0
HDN*	EN Quito, EQA	12087.0 17517.0
HD 210A	Guayaquil TS, EQA	3810.0 5000.0 7600.0
HE./..	Berne R, SUI	B/4259.0+8601.5+13023.7+16863.3+22362.5 B13/13103.9 B14/4379.1 B17/17263.9 B18/8784.0 B23/13181.4 B24/4428.7 B27/17276.3 B28/8790.2 B33/13190.7 B34/4422.5 B37/17325.9 B38/8811.9 B43/13128.7 B47/17298.0 B48/8725.1 B52/22636.3 B62/22692.1 B72/22654.9 C13/13080.0* C14/4352.5* C17/17205.0* C18/8709.0* C23/13092.5 C24/4355.5* C27/17221.0* C28/8714.0* C38/8717.5* C52/22566.5* C62/22586.0*

HEE ..	Berne Air, SUI	60/13205.0 81/18023.0
HEK 7	Berne Air, SUI	20035.0
HEO 55	Berne Air, SUI	25500.0
HET 77	Berne Air, SUI	20870.0
HGG 31*	MTI Budapest, HNG	9114.0
HGH 29*	MTI Budapest, HNG	10911.0
HGK 26*	MTI Budapest, HNG	14541.5
HGM 36*	MTI Budapest, HNG	15670.0
HGO 24*	MTI Budapest, HNG	17468.0
HGX 21*	MFA Budapest, HNG	5477.1 6761.3 9342.0 10398.0 10401.2 10414.0 14810.0 14840.5 16453.5
HGX 36*	Hungarian E Bangkok, THA	9342.0
HGX 38*	Hungarian E London, G	18400.0
HGX 41*	Hungarian E Damascus, SYR	6761.3
HGX 42*	Hungarian E Tehran, IRN	18400.0
HGX 45*	Hungarian E Islamabad, PAK	14814.0
HGX 50*	Hungarian E Jakarta, INS	23360.2
HGX 59*	Hungar. E Dar es Salaam, TZA	20008.0
HIA	Santo Domingo Pilot R, DOM	2638.0 8642.0 13087.5
HIW 7	Boca Chica Pilot R, DOM	8641.0
HIW 8	Puerto Plata Pilot R, DOM	8641.0
HKB	Barranquilla R, CLM	2046.0 2053.0 4277.0 4372.9 6463.5 8700.4 8796.4 13087.5 13107.0 17004.0 17276.3
HKC	Buenaventura R, CLM	2049.0 3282.0 4325.0 4372.9 6386.5 8574.0 8796.4 12853.5 13107.0 17045.6 17276.3
HLA	Taejon TS, KOR	2500.0 5000.0
HLC	Inchon R, KOR	2050.0 2157.5 2284.0 2590.0
HLF	Soul R, KOR	4273.0 6344.0 12916.5 17079.0 22395.0
HLG	Soul R, KOR	4308.0 6451.0 8473.0 12935.0 17118.0 22482.0
HLJ	Soul R, KOR	8484.0 8497.0 12727.0 16910.0
HLK	Gangreung R, KOR	2050.0 2836.0 3375.0
HLL	Soul Meteo, KOR	4/5810.0 6/11620.0 8/11645.0*
HLM	Mokp´o R, KOR	2357.0
HLN	Kunsan R, KOR	2043.0 2157.5 2507.0
HLO	Soul R, KOR	8577.0 12843.0 16990.0
HLP	Pusan R, KOR	2050.0 2332.5 2433.0 2460.0 2699.0 3234.0 4235.0
HLS	Soul R, KOR	4357.4 4413.2 6509.5 6518.8 8725.1 8799.5 13138.0 13187.6 17335.2 17344.5 22620.8 22661.1
HLU	Taeha-dong R, Ullung do Island, KOR	1920.0 2009.0
HLW/.	Soul R, KOR	-/8636.0+13005.5+17130.0 2/12923.0 3/12712.0
HLX	Soul R, KOR	12735.0
HLY	Yosu R, KOR	2044.0 2191.0 2560.0
HMA*	Pyongyang Meteo, KRE	4646.0
HMF ..	KCNA Pyongyang, KRE	21/11432.0* 26/15633.0* 32/14568.0* 35/13780.0* 36/13580.0*+27160.0* 42/12175.0* 45/10524.0* 49/11536.0* 52/11475.0*+11475.7+22950.0*+22951.4 55/11430.0* 57/14452.0*+28904.0* 84/9395.0* 85/8020.0* 86/8152.0* 88/7363.7+7364.0*
HMG 62	KCNA Pyongyang, KRE	11411.7
HML	Namp´o R, KRE	4300.0 8737.0
HMX 33*	PTT Pyongyang, KRE	8175.0
HMY ..*	PTT Pyongyang, KRE	47/17397.0 56/10762.8
HMZ	Pyongyang R, KRE	8610.7 8664.0
HOR 24	REFPA Panama R, PNR	4136.3 8281.2 12428.0 16572.0

HPP/20	Panama R, PNR	-/4275.0+4338.5+6423.5+6479.0+8589.0+8602.5+12699.0+13049.5+13075.0*+16869.0+17027.5+17213.5*+22454.0+22499.0 20/2507.7+2740.0+4357.4+4428.7+6509.5+8768.5+8774.7+13110.1+13196.9+17276.3+17298.0+22602.2+22617.7
HPQ 21	Panama Port R, PNR	2638.0 2738.0 4139.5 4357.4
HSA ..	Bangkok R, THA	2/8686.0 3/12800.0 4/8573.5 6/2686.0 7/2746.0 8/4357.4 20/6518.8 21/8759.2 23/4348.5
HSC 62	Bangkok Port R, THA	8466.0
HSD*	Bangkok Air, THA	3894.0 8005.5 10654.3
HSF 212WSN*	Thai E Washington, DC, USA	20827.1
HSJ 31*	CAT Bangkok, THA	7955.0
HSP .	Phuket R, THA	3/2629.0 4/2719.0 5/2821.0
HSW 6.	Bangkok Meteo, THA	61/17519.0*+17521.0 62/10298.0* 63/10169.0* 64/7395.0*
HSZ	Bangkok TS, THA	9109.4
HV.*	PTT Vatican City, CVA	D/8097.5 H/10754.1
HWN	FN Paris, F	4232.0 4295.0 6348.0 8453.0 12741.0 17180.0
HXL	Saint Denis Meteo, REU	3960.0
HZG	Dammam R, ARS	1780.0 1825.0 4253.5 4278.0 4309.0 4372.9 4382.2 6364.5 6387.0 6466.0 6506.4 6512.6 8484.5 8556.5 8651.5 8740.6 8749.9 12658.5 12752.5 12792.0 13103.9 13169.0 16860.8 16953.0 17062.0 17236.0 17257.7 22338.2 22427.0 22484.0 22661.1 22689.0
HZH	Jeddah R, ARS	1726.0 1856.0
HZJ*	Jeddah Air, ARS	3999.0 5733.0 13752.0 14370.5
HZN/..	Jeddah Meteo, ARS	-/3560.0+5452.0+5740.0*+10296.0+12245.0* 46/4570.0 47/7625.0* 48/10215.0* 49/17590.0* 50/23370.0*
HZY	ARAMCO Ras Tanura R, ARS	8480.0 12811.3 16960.0
H4H .	Honiara R, SLM	4/2167.0 8/12700.0
IAM	Rome TS, I	5000.0
IAR/..	Rome R, I	-/4356.5+4360.5+4416.3+4425.6+6509.5+6515.7+8706.5*+8707.5+8759.2+8774.7+8777.8+8796.4+13091.5+13116.3+13138.0+13153.5+13190.7+17207.0+17211.0*+17239.1+17279.4+17304.2+22627.0+22664.2+22707.6 2/22376.0 3/13015.5 4/4320.0 6/6409.5 7/16895.5 8/8670.0 22/22372.5 23/13011.0 24/4292.0 26/6418.0 27/17160.8 28/8530.0 32/22378.0 33/12996.0 37/17005.0 38/8656.0
IAR 76	ANSA Rome, I	22892.1 22892.5*
IBA*	USN Napoli, I	5368.0 8017.5
IBF	Torino TS, I	5000.0
ICB	Genova R, I	1667.0 2642.0 2722.0 4235.0 4379.1 4382.2 6425.0 8649.5 8714.5 8734.4 8787.1 12978.0 13113.2 13131.8 16879.0 16881.0 16970.0 17182.0 17254.6 17273.2 22642.5
ICP	Trapani R, I	1737.0 1848.0
ICZ	Venezia R, I	1680.0 2698.0
IDC	Cagliari R, I	1722.0 2683.0
IDF	Messina R, I	2789.0
IDQ	IN Rome, I	118.5 2291.0 2725.0 4280.0 6390.0 8486.0
IDR/.	IN Rome, I	-/16394.0 2/4355.5+4615.3 3/6505.0+7302.0 4/8718.0+9090.0 5/13086.0 6/16005.0+17219.5 7/22588.0 8/2815.0+6385.2
IEA 20	IA Rome, I	7366.0 7598.0
IEN 21*	IA Padova, I	6747.0
IEN 36*	IA Gorizia, I	6747.0
IER 20*	IFG Rome, I	5160.0 6465.0 8110.0
IGJ	IN Augusta, I	5270.0
ILI	IAF Brindisi, I	5685.0
IMB ..	Rome Meteo, I	1/3172.5* 2/5887.5* 3/11453.0* 51/4777.5 55/8146.6 56/13597.4
IPA	Ancona R, I	2656.0
IPA E8*	Milano Prefettura, I	6928.0

IPB	Bari R, I	1771.0 2579.0
IPC	Crotone R, I	1715.0 2663.0
IPD	Civitavecchia R, I	1888.0 2710.0 3747.0
IPL	Livorno R, I	1925.0 2591.0
IPP	Palermo R, I	1705.0
IPR 24*	Bologna Police, I	8171.5
IPR 34*	Genova Police, I	5810.0
IPR 44*	Rome Police, I	5810.0
IQA	Augusta R, I	1643.0 2628.0
IQH	Napoli R, I	1675.0 2635.0 3735.0
IQM	Lampedusa R, I	1876.0
IQP	San Benedetto del Tronto R, I	1855.0
IQQ	Mazara del Vallo R, I	1883.0 2211.0 2600.0
IQX	Trieste R, I	2624.0 4296.0 6418.0 8502.0 8679.0 12975.0 17084.0
IRF .0*	ANSA Rome, I	20/8047.5 50/8030.0 80/8062.0
IRH 58*	ANSA Rome, I	10815.0
IRJ ..	ANSA Rome, I	21/12108.0* 50/12082.5
IRM	CIRM Rome, I	4342.0 6365.0 8685.0 12748.0 12760.0 17105.0 22525.0
IRO 30*	ANSA Rome, I	16066.8
IRQ 2.	ITALCABLE Rome, I	21/18171.5* 26/18630.0
IRR 31*	IINA Rome, I	19178.0
IRS 2.*	ANSA Rome, I	23/20372.0 24/20430.0
IRS 41*	IINA Rome, I	20187.0
ISX ..*	ANSA Rome, I	20/20085.0 22/22955.0 24/24790.0 25/25271.5 35/13487.5 46/14630.5 56/15693.5
IUV 31	Rome Police, I	5075.0
IUV 81*	INTERPOL Rome, I	8045.0 10390.0
IVV 21*	Rome Police, I	5761.0
IZN	Porto Torres R, I	1806.0
JAB 35*	KYODO Tokyo, J	5097.5
JAE 50*	JIJI Tokyo, J	10200.0
JAE 58*	KYODO Tokyo, J	8175.0
JAF 40	KDD Tokyo, J	10403.0
JAG 30*	PL Tokyo, J	10710.0
JAG 50*	KYODO Tokyo, J	10795.0
JAL ..*	KYODO Tokyo, J	32/12070.0 44/14547.5 82/12275.0
JAM 33*	DIS Tokyo, J	13765.0
JAQ ..	KYODO Tokyo, J	57/17597.5* 66/16230.0
JBF 40	KDD Tokyo, J	10390.0
JBO	Tokyo R, J	4376.0 4410.1 4431.8 4434.9 8746.8 8753.0 8759.2 8777.8 13119.4 13122.5 13134.9 13153.5 17242.2 17248.4 17257.7 17329.0 22617.7 22676.6 22704.5 22716.9
JCK	Kobe R, J	4332.5
JCS	Choshi R, J	4349.0 6467.0 8653.6 12826.5 17112.6 17200.5* 22419.0
JCT	Choshi R, J	4225.0 8686.0 12687.0 17166.5 22386.0
JCU	Choshi R, J	6485.0 8479.0 12878.0 17043.2 22463.0
JCX	Naha R, J	6470.0 12667.5
JDB	Nagasaki R, J	13063.0 16877.5
JDC	Choshi R, J	8647.5 13054.0 16998.5
JFA	Matsudo F R, J	4304.0 6342.0 6388.0 8547.5 8628.0 12788.0 12847.5 16907.5 17081.6 17101.5 22524.0 25065.0
JFC	Misaki F R, J	16893.5
JGC	Yokohama R, J	17141.6 22366.5
JJC	Tokyo R, J	4316.0 8467.5 12745.5 16971.0 17069.5 22542.0
JJD	RRL Tokyo, J	10415.0 15950.0
JJY	Tokyo TS, J	2500.0 5000.0 8000.0 10000.0 15000.0
JK. .	JIJI Tokyo, J	A2/6820.0 A3/9260.0 B4/9135.0 E6/9410.5
JM./..	Tokyo Meteo, J	B40/4902.0 G2/5102.5* G3/7402.5* G4/14880.0* G5/19529.0* G6/23972.0* H/3622.5 H2/7305.0 H3/9970.0+ 19940.0 H4/13597.0 H5/18220.0 H6/23522.9 J/3365.0 J2/5405.0 J3/9438.0 J4/14692.5 J5/18441.2

JNA	JN Tokyo, J	4276.0 4305.5 8492.0 8571.0 12658.0 12942.0 16911.0 17052.5 22326.0 22398.0
JNE	Hiroshima R, J	17141.6 22366.5
JO.	Nagasaki R, J	R/6457.5+8523.4+13008.0+17093.6+22409.0 S/4328.0+6491.5+8437.0+13069.5+16933.2+22396.0 U/8463.0+12673.5+16883.0+22440.0
JPA 24*	INTERPOL Tokyo, J	18756.0
JTD 29*	MONTSAME Ulan Bator, MNG	10337.0
JTF 29*	MFA Ulan Bator, MNG	14583.7
JWT	NN Stavanger, NOR	4562.5 11182.0
JXU .	NN Bodoe, NOR	4/2677.0 6/5226.5
JXZ*	NATO Kolsaas, NOR	7659.4 8047.6 8516.1
JYF .*	PETRA Amman, JOR	2/14560.0 4/9463.0 6/5055.0
JYJ	RJ Amman, JOR	13225.0
JYN 41*	Amman Meteo, JOR	10965.0
JYO	Aqaba R, JOR	2512.5 2612.5 4326.5 4416.3 4431.8 6390.0 6479.0 8528.0 8728.2 12725.0 13159.7
J2A/.	Jibuti R, DJI	-/1813.0+2586.0+4410.1+8799.5+13128.7 4/4262.0 6/6348.0 8/8510.0+8682.0 9/12728.0
J5M	Bissau R, GNB	2642.0 4394.6 4434.9 8722.0 8756.1 13107.0 17276.3 17338.3
KCC	Corpus Christi R, TX, USA	2538.0
KFS	San Francisco R, CA, USA	2037.5 2061.5 4228.0 4274.0 4350.0 4351.0* 6348.0 6365.5 6494.5 6495.5 8444.5 8445.0 8558.4 8705.0 8706.0 12695.5 12844.5 13072.5* 17026.0 17184.8 17198.5 22425.0 22515.0
KGN	Delcambre R, LA, USA	2506.0 4366.7
KKN 39	Miami, FL, USA	4956.5 13387.0 17413.5
KKN 44	USE Monrovia, LBR	4886.0 7652.0 11474.0 17404.0 17426.0 23425.0
KKN 50	MFA Washington, DC, USA	6925.0 10637.0 12022.5 16363.0 18525.0 23975.0
KLB	Seattle R, WA, USA	2063.0 4348.5 6410.7 6411.0 8546.1 8582.5 12907.0 12917.0 17007.5 22539.0
KLC	Galveston R, TX, USA	2063.0 4223.0 4256.0 4354.0 6338.5 6369.0 8508.0 8659.5 8666.0 8709.0 12904.5 13038.0 13095.0 16871.3 16939.8 22338.0 22467.0
KMI	Dixon R, CA, USA	2450.0 2506.0 4357.4 4403.9 4407.0 8728.2 8743.7 8759.2 8784.0 13100.8 13103.9 13107.0 13187.6 13190.7 17236.0 17239.1 17279.4 17304.2 22636.3 22664.2 22679.7 22704.5
KNY 23*	Czech E Washington, DC, USA	18428.0 18442.3 19460.7
KNY 27*	Swiss E Washington, DC, USA	20598.0 22964.5
KNY 29*	Egypt. E Washington, DC, USA	11241.7
KPH	San Francisco R, CA, USA	2045.0 4247.0 4356.0 6477.5 6488.5 6500.5 6501.0* 8618.0 8642.0 8711.0 12808.5 13002.0 13077.5 17016.5 17016.8 17088.8 17203.5* 22477.5 22479.0 22557.0 22567.5* 22568.0
KQP	Galveston R, TX, USA	2450.0 2530.0
KRH 50	USE London, G	5426.0 7724.0 11142.0 13815.0 16458.0
KRH 51*	USE London, G	4863.5 6786.5 6892.0 11636.5 15593.0 15597.0
KUP 65	Majuro R, MRL	2616.0 2724.0
KUQ	Pago Pago R, SMA	2638.0 2845.0 4379.1 6361.0 8585.0 8734.4 12871.5 13196.9 17347.6
KUQ 23	Swains Island R, SMA	2845.0
KVM 70	Honolulu Meteo, HWA	9982.5 11090.0 16135.0 23331.5
KWL 90	USE Manila, PHL	5443.0 7662.0 10464.0 12210.0 14616.0 17552.0
KWS 78	USE Athens, GRC	3186.0 4910.0 7627.0 10255.0 14360.0 18351.0 23642.0
KWX	NWS Lewes, DE, USA	4223.0
LBA ..	NN Stavanger, NOR	2/2206.0+2207.0 4/3656.0 6/5427.5 10/11454.0
LBL 1	Norwegian UNIFIL Beirut, LBN	8014.6* 13543.0 16103.6* 20092.6*
LF./..	Rogaland R, NOR	B/8678.0 B2/8683.5* C/12682.5* F/17165.6 G/22473.0 I/12961.5 J/12876.0 L/22396.0 L2/8718.9 L3/8725.1 L4/8740.6 L5/8743.7 L6/8746.8 L7/8749.9 L8/8756.1 L9/8771.6 L20/8787.1 L21/8793.3

LF./..	Rogaland R, NOR (continued)	L22/8799.5 L23/8802.6 L24/8805.7 L30/13107.0 L31/13110.1 L32/13113.2 L33/13128.7 L34/13131.8 L35/13138.0 L36/13141.1 L37/13150.4 L38/13153.5 L39/13156.6 L40/13165.9 L41/13169.0 L42/13175.2 L43/13178.3 L44/13184.5 L45/13193.8 N/8527.5 N2/17232.9 N3/17239.1 N4/17242.2 N5/17245.3 N6/17251.5 N7/17254.6 N8/17260.8 N9/17270.1 N20/17273.2 N21/17282.5 N22/17285.6 N23/17288.7 N24/17291.8 N25/17298.0 N26/17313.5 N27/17319.7 N28/17338.3 N29/17356.9 N30/22599.1 N31/22602.2 N32/22617.7 N33/22627.0 N34/22633.2 N35/22639.4 N36/22642.5 N37/22648.7 N38/22679.7 N39/22685.9 N40/22695.2 N41/22698.3 N42/22704.5 N43/22707.6 N44/22713.8 N45/22716.9 R/25308.0 T/16952.4 U/6467.0 W/4325.0 X/16928.4 Z/25382.5 Z2/26163.3*
LFO	Oerlandet R, NOR	1743.0 2635.0 3627.9
LGA	Alesund R, NOR	1694.0 1722.0 2663.0 3652.0
LGB/2	Rogaland R, NOR	-/2879.5*+8574.0 2/8707.0*
LGD	Oerlandet R, NOR	1757.0 2670.0
LGF 2*	Rogaland R, NOR	1646.0
LGG/.	Rogaland R, NOR	-/22425.0 2/22563.5* 3/22587.0*
LGH	Harstad R, NOR	1736.0 1750.0 2635.0 2649.0 2663.0
LGI	Hammerfest R, NOR	1722.0 1743.0 1803.0 3652.0
LGJ/.	Rogaland R, NOR	-/12727.5 2/13075.0* 3/13081.0* 4/13097.0*
LGL	Floroe R, NOR	1757.0 2649.0 3645.0
LGN	Bergen R, NOR	1743.0 2666.9 2670.0 3631.0
LGN ..	Rogaland R, NOR	2/4357.4 3/4363.6 4/4376.0 5/4382.2 6/4400.8 7/4410.1 8/4416.3 9/4428.7 20/4431.8 21/4434.9 30/6512.6 31/6518.8
LGP	Bodoe R, NOR	1694.0 2642.0 2656.0
LGQ	Rogaland R, NOR	1729.0 2537.9 2652.9 2656.0 3638.0
LGS	Svalbard R, Spitsbergen, NOR	1694.0 1736.0 3645.0
LGT	Tjoeme R, NOR	1736.0 2663.0
LGU/2	Rogaland R, NOR	-/6432.0 2/6498.0*
LGV	Vardoe R, NOR	1729.0 2642.0 2656.0 2670.0 3631.0
LGW/.	Rogaland R, NOR	-/4241.0 2/4351.0* 3/4352.5*
LGX/.	Rogaland R, NOR	-/17074.4 2/17199.5* 3/17223.0*
LGZ	Farsund R, NOR	1750.0 2635.0 2638.9 2642.0 3641.9
LJA 21	Norwegian E Tel Aviv, ISR	21763.5
LJB	Bjoernoeya R, Bear I., NOR	1757.0
LMJ	Jan Mayen R, NOR	1722.0
LOK	AN Laurie I., Orcadas, ANT	2422.5
LOL	AN Buenos Aires, ARG	4856.0 8030.0 17180.0 18602.0* 18980.0 23391.5*
LOL .	AN Buenos Aires TS, ARG	1/5000.0 2/10000.0 3/15000.0
LOR*	AN Puerto Belgrano, ARG	6770.0 11070.0 19438.5
LOV 3*	AN Rio Grande, ARG	12704.5
LPB .	Corrientes R, ARG	5/4428.7 9/8746.8
LPC ..	Ushuaia R, ARG	5/2100.0 27/4385.3 34/8753.0 42/13190.7 45/4225.0 46/8449.0 50/13065.0
LPD ..	General Pacheco R, ARG	25/17196.5 28/22513.5 34/25130.5 44/8514.0 46/17045.6 62/4262.0 68/4268.0 76/12763.5 86/8646.0+17292.0 88/12988.5 91/22419.0
LPG ..	Rio Gallegos R, ARG	5/2103.5 44/4400.8 87/8765.4
LPL/..	General Pacheco R, ARG	-/13165.9+17285.6 3/8759.2 4/13159.7 5/17232.9 6/2086.0 21/22605.3 30/6512.6 33/4394.6
LPM ..	Mar del Plata R, ARG	5/2093.0 44/4410.1 51/4388.4 97/8749.9
LPO ..	Puerto Deseado R, ARG	26/2082.5 44/4379.1 87/8787.1
LPW ..	Bahia Blanca R, ARG	6/2079.0 35/6506.4 45/4372.9 97/8771.6
LPZ ..	Trelew R, ARG	28/4434.9 33/2090.9 87/8740.6
LQB 9	Buenos Aires TS, ARG	8168.0
LQB 54*	TELAM Buenos Aires, ARG	18421.0
LQC 28	Buenos Aires TS, ARG	17551.5
LQZ 27	AP Buenos Aires, ARG	17672.0
LRB 39*	TELAM Buenos Aires, ARG	10893.5
LRB 72	Buenos Aires Meteo, ARG	10720.0
LRB 75	REUTER Buenos Aires, ARG	13753.5

LRB 79	AP Buenos Aires, ARG	6874.0
LRB 83*	TELAM Buenos Aires, ARG	3266.7
LRB 91	R Rivadavia feeder, ARG	9115.0
LRN 2	AP Buenos Aires, ARG	10679.5
LRN 85*	DyN Buenos Aires, ARG	7954.5
LRO 2*	TELAM Buenos Aires, ARG	4004.5
LRO 9*	DyN Buenos Aires, ARG	4549.5
LRO 23*	NA Buenos Aires, ARG	3840.0
LRO 26	AP Buenos Aires, ARG	5777.5
LRO 64	DyN Buenos Aires, ARG	9242.0
LRO 69	Buenos Aires Meteo, ARG	5185.0
LRO 81*	TELAM Buenos Aires, ARG	13540.0
LRO 83	REUTER Buenos Aires, ARG	18433.0
LRO 84	Buenos Aires Meteo, ARG	18093.0
LRO 89	REUTER Buenos Aires, ARG	21770.0
LSA/.	Boca R, ARG	-/13057.0+13063.5+16870.5+17191.0+22547.0+22555.5+25160.0+25197.0 2/4334.0 3/6460.0 4/8457.0 5/12709.0 6/17160.8 7/22346.5
LSA 600	AP Buenos Aires, ARG	20736.0
LST/9	YPF Buenos Aires R, ARG	-/4255.0+12706.5+16940.8 9/8702.0
LSU 5	YPF Comodoro Rivadavia R, ARG	8702.0
LUB	AAF Buenos Aires, ARG	19284.5
LZA 2*	PTT Sofia, BUL	8055.0
LZA 8*	Sofia Meteo, BUL	4813.0
LZB*	BTA Sofia, BUL	7460.0
LZC 3*	Sofia, BUL	19040.0
LZF .*	Sofia Meteo, BUL	8/3247.5+3253.0+3258.5 9/5455.0
LZG .*	BTA Sofia, BUL	2/11110.0 3/13400.0
LZH 4*	BTA Sofia, BUL	11502.0 23004.0
LZJ 2	Sofia Meteo, BUL	5092.5
LZL/.	Bourgas R, BUL	-/1650.0+2638.0+2750.0 2/4262.0+4282.0+4342.0 3/6342.0+6423.0+6484.0 4/8472.0+8564.0+8684.0 5/12689.0+12709.0+12954.0 6/16866.0+16944.0+17182.0 7/22340.0+22415.0+22520.0
LZM 7*	Sofia Meteo, BUL	6710.0 6795.0 6880.0
LZN 3*	BTA/PTT Sofia, BUL	6960.0 13920.0
LZP 2*	BTA Sofia, BUL	15555.0
LZP 3*	PTT Sofia, BBUL	18210.0
LZS 3.	BN Sofia, BUL	30/8676.0 36/17116.0 38/22554.0
LZU 2*	Sofia Meteo, BUL	10874.0 10937.0 11041.0 11063.0 11126.0 11133.0 11148.0 11163.0 11190.0
LZW/..	Varna R, BUL	-/1750.0+2770.0+4352.0+4416.3+6515.7+8710.0*+8711.5+13076.5+13078.0+13095.5*+13156.6+17338.3+22617.7 2/4220.0+4250.0+4314.0 3/6336.0+6405.0+6448.0 4/8460.0 5/12659.0 6/16918.0+17055.0+17145.0 7/22344.0+22374.0+22486.0 42/8532.0 43/8607.0 52/12840.0 53/12940.0
L2C	Buenos Aires R, ARG	4304.0 8447.0 12728.0 16925.6
L2E	Buenos Aires R, ARG	8528.0 12901.0
L2Q	Mar del Plata R, ARG	4304.0
L2S	Mar del Plata R, ARG	8528.0 12901.0 16925.6
L2X	Comodoro Rivadavia R, ARG	4304.0 8447.0 12728.0
L2Z	Comodoro Rivadavia R, ARG	8528.0 12901.0 16925.6
L3V	Rio de la Plata R, ARG	2638.0
MGJ	RN Glasgow, G	2767.0
MKA	RAF London, G	5287.0
MKD*	RAF Akrotiri, CYP	5025.0 5120.0 7487.5 7580.0 7960.0 8155.0 9135.0 9940.0 10220.0 10495.0 10586.0 11095.0 12148.0 13515.0 13565.0 13905.0 13925.0 14405.0 14670.0 14855.0 14875.0 16148.0 16280.0 17535.0 18045.0 18535.0 19065.0 19430.0 19895.0 20290.0 20330.0 20425.0 20980.0 22946.0 23380.0 24655.0 24855.0
MKH	RAF Doncaster, G	5685.0

MKK*	RAF London, G	3306.0 5405.0 5813.0 7455.0 7710.0 10200.0 10280.0 10654.0 11550.0 14432.5 14445.0 14540.0 14840.0 15715.0 16039.5 16295.0 18120.0 18456.0 18775.0 19250.0 20970.0 23012.0
MKL	RAF Edinburgh, G	3936.0 4730.0 8988.0 9037.0 11213.0 15040.0
MKT*	RAF London, G	12152.0
MQD	RAF Plymouth, G	6760.0
MQP	RAF Upavon, G	4742.0 6738.0 9032.0 11204.0 18018.0
MRP	RAF High Wycombe, G	3026.0
MSF	Rugby TS, G	60.0
MUA*	BA London, G	10841.0 11437.5 12266.0 14845.0 17450.0
MVU	RAF London, G	4722.0 11200.0
NAM	USN Norfolk, VA, USA	3357.0 8080.0 8090.0 10258.0* 10865.0 12135.0 16180.0 16410.0 20225.0
NAR	USN Key West, FL, USA	5870.0 25590.0
NBA	USN Balboa, PNR	11570.0* 16194.0* 18067.5* 18550.0* 18980.0 20350.0* 20850.0* 21833.0* 22810.0*
NDT	USN Yokosuka, J	4963.0 4967.0 12777.0 22324.5
NGD*	USN McMurdo Sound, ANT	11459.5
NGR	USN Kato Soli, GRC	4053.5 4623.0 7455.0 8639.5 9255.0 11621.5* 12255.0* 12759.0 12777.0 13255.5* 13372.5 17060.0* 19019.0
NIK	USCG Boston, MA, USA	8502.0 12750.0
NIO*	USN Inchon, KOR	26515.0
NKW*	USN Diego Garcia, DGA	7442.0
NMA*	USCG Miami, FL, USA	17002.5
NMC	USCG San Francisco, CA, USA	2670.0 4346.0 6383.0 8574.0 8682.0 12730.0 16880.9 17151.2
NMF	USCG Boston, MA, USA	3242.5 6500.0* 7530.0 8490.0* 8502.0* 12750.0* 13021.0* 17201.0*
NMJ 2	USCG Ketchikan, ALS	2670.0
NMN	USCG Portsmouth, VA, USA	8465.0 8471.0 8716.5* 8718.0* 12700.0 12718.5 13005.0* 13084.5* 16976.0 16983.2 17210.5* 22545.0
NMO	USCG Honolulu, HWA	2670.0 8650.0 8718.0* 12889.5 13084.5* 13655.0 16457.5 17307.3 22472.0 22476.0 22574.5*
NOJ	USCG Kodiak, ALS	2670.0 4298.0 8459.0 8628.5
NPG	USN San Francisco, CA, USA	9090.0
NPM	USN Pearl Harbour, HWA	2122.0 4855.0 9398.0 14828.0 21839.0
NPN	USN Apra Harbour, GUM	7894.0 10257.0 16022.0 18443.0 19858.0
NPO	USN Subic Bay, PHL	4445.0 9485.0 10968.0 12867.0 15927.0
NRK	USN Keflavik, ISL	5167.0
NRV	USCG Apra Harbour, GUM	2670.0 8150.0 8570.0 12743.0 13077.0* 17146.4 17203.0* 21760.0 22527.0 22567.0*
NWC	USN Exmouth, WA, AUS	9498.5 12673.5 16010.5 17060.0
OA. 6	PELPER Iquitos R, PRU	A6/6335.5+6355.5 B6/3840.0+6335.5
OAF 4	PESROD Ilo R, PRU	2086.0
OAH 3	VICMARSA Paita R, PRU	2840.0
OAJ 4	PIL Ilo R, PRU	2075.0
OAO 3	VICMARSA Lima R, PRU	2840.0
OAO 4	MINERVA Lima R, PRU	2235.0
OAQ 4	PDH Paita R, PRU	2230.0
OBB 4	Ilo R, PRU	2638.0 4403.9 6509.5 13116.3
OBC	PN Callao, PRU	16093.0* 18980.0 19058.0*
OBC 3	Callao R, PRU	2738.0 4247.0 4363.6 6360.0 6474.0 6518.8 8465.0 8546.0 8728.2 12725.0 12938.0 13144.2 17160.0 17254.6 22595.0 22611.5 25045.0
OBF 4	Mollendo R, PRU	2638.0 4260.0 6351.0 6515.7 8490.0 8799.5 12815.0 13125.6 17015.0 17288.7 22465.0 22645.6 25065.0
OBG 3	Pisco R, PRU	3801.4 4391.5 6506.4 13193.8
OBH 2	Pimentel R, PRU	3670.0
OBQ 5	Iquitos R, PRU	4325.0 4391.5 6500.0 6518.8 8808.8 12795.0 13134.9 16970.0 17313.5 22555.0 22639.4 25110.0
OBR 3	Salaverry R, PRU	3790.0 6515.7 13134.9
OBT 2	Talara R, PRU	3801.4 4391.5 6506.4 8540.0 13116.3

OBY 2	Paita R, PRU	2738.0 4291.0 4403.9 6436.0 6512.6 8527.0 8790.2 12695.0 13193.8 16933.0 22395.0 25025.0
OBZ 3	Chimbote R, PRU	2638.0 4403.9 6509.5 13116.3
OCJ 2	CPV Callao R, PRU	2101.4 2104.9 2206.0 4350.0
OCP 2	PELPER Saramuro R, PRU	3840.0 6335.5
ODB 6	LN Beirut, LBN	2000.0
ODR .	Beirut R, LBN	3/8702.0 4/13101.0 5/4434.9 6/2641.0 7/8802.6 8/13147.3 9/4351.0
OEC*	MFA Vienna, AUT	7891.0 14488.5 14520.0 19810.4
OEC 35*	Austrian E Delhi, IND	14488.5
OEC 51*	Austrian E Cairo, EGY	14488.5
OEC 61*	Austrian E Rome, I	7891.0
OEC 72*	Austrian E Lisbon, POR	14488.5
OED	DDSG Vienna R, AUT	4066.1 4072.3 6206.2 8204.3
OEY 32	AA Salzburg, AUT	20946.0
OEY 632	Austrian UNFICYP Larnaca, CYP	20946.0
OFA*	Helsinki R, FNL	6497.0 17427.5
OFH	Mariehamn R, FNL	1852.0 1876.0
OFJ ..	Helsinki R, FNL	3/12669.0 4/4271.0 6/6355.0 7/16923.6 22/22396.0 25/25065.0 32/12687.0 82/8457.0
OHG/2	Helsinki R, FNL	-/2810.0 2/4394.6+4407.0+8722.0+8728.2+8731.3+8743.7+8805.7+13116.3+13125.6+13138.0+13147.3+13172.1+13181.4+13190.7+17248.4+17263.9+17273.2+17276.3+17301.1+17341.4+17347.6+22605.3+22623.9+22636.3+22661.1+22689.0
OLB 5	Prague TS, TCH	3170.0
OLC 4*	CETEKA Prague, TCH	5917.0
OLD 2*	CETEKA Prague, TCH	18985.0
OLG .*	PTT Prague, TCH	3/10125.0 4/10307.5+20615.0
OLI 5*	CETEKA Prague, TCH	13647.5
OLM 5*	PTT Prague, TCH	14977.5
OLS 4*	CETEKA Prague, TCH	15897.5
OLT ..	Prague Meteo, TCH	3/124.6 21/111.8
OLV 3*	CETEKA Prague, TCH	17525.0
OLW 2*	PTT Prague, TCH	6820.0
OLX 5*	CETEKA Prague, TCH	9353.0
OMA	Prague TS, TCH	50.0 2500.0
OMC	Bratislava R, TCH	2583.0 2645.0 4344.5 4407.0 6393.5 6440.0 8476.0 8627.5 8743.7 12818.0 13057.0 13169.0 16897.5 16917.0 17254.6 22654.9
OMD	Prague, TCH	4550.0 5420.0
OMK	Komarno R, TCH	2583.0 2645.0 4344.5 4407.0 6393.5 6440.0 8476.0 8627.5 8743.7 12818.0 13057.0 13169.0 16897.5 16917.0 17254.6 22654.9
OML	Decin R, TCH	4407.0 8743.7 13169.0
OMP/..	Prague R, TCH	-/4413.2+8737.5+13178.3+17254.6+22654.9 2/4292.5 3/6440.0 4/8627.5 5/13007.0 6/16977.0 7/22486.0 21/4344.5 23/4329.0 33/6433.5 41/8482.0 44/8544.0 51/12818.0 61/17024.0 71/22460.0 81/25052.0 82/25143.0
OMV ...*	Prague, TCH	51/4020.0 94/6824.0 237/5738.0
OMZ	MFA Prague, TCH	4500.0 5050.0* 9278.0* 12312.0* 15941.0* 16370.0* 16395.0* 18320.0* 18918.0* 20619.0* 23906.0
ONA 20*	INTERPOL Brussels, BEL	5208.0 8122.0
ONN 41	Benin E Brussels, BEL	21855.0
ONY 22	NATO Rheindahlen, D	4814.0
ONY 27	NATO Mons, BEL	4581.5 5737.5 7879.0 9871.5
ONY 77	BAF Koksijde, BEL	8989.0
ORI .9	RTT Brussels, BEL	49/19576.0*+19577.5 59/19542.8+19546.0
OSA	Antwerpen R, BEL	1649.5 1652.5 1705.0 1708.0 1901.0 1904.0 2814.0 2817.0 3652.0 3655.0
OSN 4..	BN Oostende, BEL	41/1831.0 46/6391.5 412/12725.0 416/16930.0

OST/..	Oostende R, BEL	-/2815.5*+4605.0*+7775.0*+9402.5*+19012.0*+22443.0* 2/4298.0 3/6411.0 4/8478.0 5/12781.5 6/17017.1 7/22533.0 8/25135.0 22/4290.5 28/5376.5* 32/6328.3 37/6502.5* 38/7776.5* 42/8652.0 52/13067.0 57/13079.0* 58/14719.0* 62/17187.0 67/17203.0* 68/19013.5* 72/22351.5 82/27017.0
OSU/..	Oostende R, BEL	-/1649.5+1652.5+1705.0+1708.0+1817.0+1820.0+1901.0+1904.0+1905.0+1908.0+2087.0+2090.0+2253.0+2256.0+2373.0+2376.0+2481.0+2484.0+2758.0+2761.0+2814.0+2817.0+3629.0+3632.0+3652.0+3655.0+3681.0+3684.0 21/4388.4 22/4422.5 23/4431.8 24/4379.1 27/4407.0 31/6509.5 41/8762.3 42/8805.7 43/8731.3 44/8734.4 45/8756.1 46/8725.1 49/8753.0 51/13119.4 52/13144.2 53/13138.0 54/13153.5 57/13156.6 61/17307.3 62/17313.5 63/17270.1 64/17257.7 67/17322.8 71/22670.4 72/22713.8 73/22651.8 74/22620.8 77/22636.3
OUA	DM Stevns, DNK	23/122.3 32/2357.5
OUJ 22*	DA Aarhus, DNK	4793.0
OVC	DM Groennedal, GRL	2400.0
OVG ..	DM Frederikshavn, DNK	5/5760.0 8/8148.0 12/12329.0 16/16323.0
OVK*	DM Aarhus, DNK	4515.5
OXB	Blaavand R, DNK	1713.0 1813.0 2593.0
OXF	Qaqortoq R, GRL	2129.0 2265.0
OXI	Nuuk R, GRL	2057.0 2116.0 2225.0 2400.0
OXJ	Torshavn R, Faroe Is., DNK	1708.0 1778.0
OXM	Ittoqqorttoormiit R, GRL	2225.0
OXP	Skagen R, DNK	1701.0 2740.0
OXT	Copenhagen Meteo, DNK	5850.0 9360.0 13855.0 17510.0
OXZ/..	Lyngby R, DNK	-/1687.0+2645.0*+4355.5*+4357.4+4363.6+4382.2+4400.8+4410.1+4416.3+4428.7+4431.8+4434.9+6498.5*+6512.6+6518.8+8709.5*+8715.5+8718.9+8740.6+8749.9+8756.1+8771.6+8787.1+8793.3+8799.5+8805.7+13076.0*+13084.0*+13093.5*+13107.0+13128.7+13131.8+13141.1+13144.2+13150.4+13156.6+13169.0+13178.3+17206.0*+17212.5*+17232.9+17239.1+17245.3+17254.6+17273.2+17282.5+17285.6+17298.0+17338.3+17356.9+22570.0*+22579.0*+22602.2+22617.7+22627.0+22633.2+22642.5+22648.7+22679.7+22698.3+22704.5+25437.0*+25440.5+25444.0 2/4303.0 3/6446.8 4/8598.0 6/12916.5 8/17068.4 9/22419.0 21/4319.0 31/6439.0 41/8626.0* 61/13038.0 62/12753.5 81/16920.0 82/16897.5 92/22404.0 93/22459.0 95/25262.0
OYE	Roenne R, DNK	2586.0
OYR	Aasiat R, GRL	2210.0 2265.0 2304.0 3276.0 3280.0 7570.0
OZL	Ammassalik R, GRL	2250.0
OZU 25*	MFA Copenhagen, DNK	16407.0
OZW	Qanaaq R, GRL	3175.0 3250.0
PBC ...*	DN Goeree Island, NLD	5/8010.0 32/2474.0 34/4280.0 36/6358.5 38/8439.0 96/6895.0 312/12840.5 317/17117.5 919/19970.0
PCG/..	Scheveningen R, NLD	-/1764.0+1862.0+1890.0+1939.0+2600.0+2824.0+3673.0 21/4369.8 22/4413.2 23/4385.3 24/4376.0 31/6509.5 41/8796.4 42/8731.3 43/8734.4 51/13138.0 52/13119.4 53/13156.6 61/17341.4 62/17350.7 63/17301.1 71/22608.4 72/22692.1
PCH ..	Scheveningen R, NLD	20/4250.0 25/4351.5* 26/4355.0* 30/6404.0 35/6496.5* 36/6504.0* 40/8562.0 41/8622.0 42/8654.4 45/8710.0*+8713.0*+8716.0* 46/8717.0* 50/12768.0 51/12799.5 52/12853.5 55/13077.0* 56/13088.5* 60/16902.0 61/17007.2 62/17104.2 65/17217.5* 66/17230.0* 70/22324.5 71/22539.0 75/22565.0* 85/1919.5*
PCW 1*	MFA Den Haag, NLD	7701.6 9117.6 13415.3 15647.2 18461.7 18646.6 19731.5 21844.7
PCW 6*	Dutch E Jeddah, ARS	18498.5
PCW 29*	Dutch E Harare, ZWE	23570.0
PJC	Willemstad R, Curacao, ATN	2550.0 4334.0 4379.1 6491.5 6515.7 8694.0 8725.1 13042.5 13119.4 17170.4 17251.5
PKA	Sabang R, INS	3182.0 4388.4 17184.8

PKB	Belawan R, INS	8746.8 12970.5 13100.8 16861.7
PKC	Palembang R, INS	4397.7 8437.0
PKC 4	Panjang R, INS	6509.5
PKD	Surabaya R, INS	4379.1 8461.0 12704.5 13134.9 16861.7
PKE	Amboina R, INS	4379.1 8473.0 12686.0 13128.7 17184.8
PKE 5	Ternate R, INS	6428.5
PKF	Ujung Pandang R, INS	4397.7 13100.8
PKF 3	Kendari R, INS	8746.8
PKG	Banjarmasin R, INS	4388.4 8457.0 8765.4
PKM	Bitung R, INS	6428.5 8694.0 12704.5 13125.6
PKN	Balikpapan R, INS	4357.4 6326.5 8437.0 8746.8
PKO	Tarakan R, INS	4422.5
PKP	Dumai R, INS	4357.4 8457.0 8765.4 13125.6 17184.8
PKR	Semarang R, INS	4422.5 6326.5 8461.0
PKS	Pontianak R, INS	8473.0
PKT	Dili R, INS	4394.6 8787.1 13107.0 17276.3
PKU	Kalianget R, INS	8774.7
PKX	Jakarta R, INS	8542.0 8753.0 12970.5 13128.7 16861.7 17260.8 22431.0 22698.3
PKY 2	Biak R, INS	8437.0
PKY 4	Sorong R, INS	4422.5 8461.0 12970.5
PKY 5	Merauke R, INS	6326.5 6509.5 8457.0
PL2 C	Ujung Pandang, INS	12235.5
PME 8	PTT Bandung, INS	15563.0
PNK	Jayapura R, INS	4357.4 8694.0 13134.9 17074.4
PPF	Fortaleza R, B	4131.2 4425.6
PPJ	Juncao R, B	4231.0 4251.0 4312.0 4335.0 6349.0 6374.0 8460.0 8460.5 8497.5 8623.0 12689.5 12733.0 12776.0 12840.0 13184.5 16889.0 16918.0 17012.0 17170.0 17282.5 22355.0 22436.0 22496.0
PPL	Belem R, B	4247.5 4265.0 4311.0 4321.0 6347.0 6352.0 8460.5 8462.0 8481.0 8502.0 12674.0 12689.0 12742.0 12979.5 13125.6 13184.5 16886.0 16968.0 17002.0 17170.0 17332.1 22354.0 22429.0 22475.0
PPM	Manaus R, B	13169.0
PPO	Olinda R, B	4237.0 4280.0 4298.0 4329.0 6371.0 6377.0 8452.5 8494.0 8520.1 8548.0 12692.0 12766.0 12840.0 12958.5 13131.8 16908.0 17010.0 17120.0 17162.0 17248.4 22418.0 22444.0 22450.0
PPR	Rio de Janeiro R, B	4244.0 4333.0 4341.0 6385.0 6391.0 8492.0 8499.0 8529.0 8612.0 8634.0 12687.0 12719.0 12738.0 12805.0 12973.0 13086.0* 13141.1 16984.0 16991.0 17023.0 17087.0 17194.4 17209.0* 17263.9 17270.1 22352.5 22420.0 22424.0 22441.0 22534.0 22710.7
PPX	EMBRATEL Rio de Janeiro, B	20470.0
PWB	BN Belem, B	9265.0 9267.0* 12210.0* 16960.0 22330.5
PWF	BN Salvador, B	12210.0* 16960.0 22330.5
PWL	BN Corumba, B	4310.0 6465.0 8620.0 12210.0*
PWN	BN Natal, B	12957.0 16960.0 17036.0 22330.5 22405.0
PWR	BN Recife, B	12186.5 12210.0*
PWZ	BN Rio de Janeiro, B	4259.0 4289.0 4322.0 6419.9* 6420.0 6435.0 6483.0 8291.0 8530.0 8542.0 8550.0 8551.2* 8644.0 12025.0 12210.0* 12736.5 12754.5 12795.0 12966.0 13517.0* 16950.0 17122.0* 17122.4 17140.0 17160.0* 22443.0 22445.0 22530.0
PZN/..	Paramaribo R, SUR	-/2818.0+4379.1+8740.6+13119.4+17254.6 2/6355.0 3/8652.5 4/13046.0 25/4255.3 26/16956.0
P2H*	Mount Hagen Air, PNG	7756.3
P2M	Port Moresby R, PNG	2201.0 4247.0 4382.2 4407.0 6351.5 6515.7 8515.0 8731.3 13042.0 13175.2
P2R	Rabaul R, PNG	2201.0 4247.0 4382.2 4407.0 6351.5 6515.7 8515.0 8731.3 13042.0 13175.2
RAB 44*	Tashkent, UZ, URS	4515.0
RAM 24	R Moscow feeder, RU, URS	6875.0

RAN 72	R Moscow feeder, RU, URS	7410.0
RAN 76	R Moscow feeder, RU, URS	6890.0
RAN 77	Moscow Meteo, RU, URS	6880.0
RAT 21	Moscow Meteo, RU, URS	4202.5
RAT 23	R Moscow feeder, RU, URS	6987.5
RAT 25	R Moscow feeder, RU, URS	6920.0
RAW 71*	TASS Moscow, RU, URS	8060.0
RAW 78	Moscow Meteo, RU, URS	7750.0
RBA 50*	PTT Moscow, RU, URS	14500.0
RBI 71	R Moscow feeder, RU, URS	18650.0
RBI 72*	APN Moscow, RU, URS	16135.0
RBI 73*	TASS Moscow, RU, URS	17370.0
RBI 74*	APN/PTT Moscow, RU, URS	16220.0
RBI 75*	PTT Moscow, RU, URS	16031.4 16032.8
RBI 75	R Moscow feeder, RU, URS	10955.0
RBI 77	Moscow Meteo, RU, URS	15950.0
RBI 78*	TASS Moscow, RU, URS	15930.0
RBI 79*	TASS Moscow, RU, URS	15890.0
RBK 72	R Moscow feeder, RU, URS	6805.0
RBK 79*	TASS Moscow, RU, URS	15865.0
RBM 76	R Moscow feeder, RU, URS	15600.0
RBT 54*	Irkutsk Meteo, SE, URS	6970.0
RBV 70	Tashkent Meteo, UZ, URS	3690.0
RBV 75*	Moscow Meteo, RU, URS	7685.0
RBV 76	Tashkent Meteo, UZ, URS	14982.5
RBV 78	Tashkent Meteo, UZ, URS	5890.0
RBV 79	R Moscow feeder, RU, URS	6825.0
RBW 40	Murmansk, RU, URS	3720.0
RBW 43*	SAM Murmansk, RU, URS	10380.0
RBW 48	Murmansk Meteo, RU, URS	10130.0 20260.0
RBX 42*	TASS Moscow, RU, URS	17570.0
RBX 56*	ANGOP Moscow, RU, URS	7525.0 15050.0
RBX 58*	TASS Moscow, RU, URS	20795.0
RBX 7.	Tashkent Meteo, UZ, URS	70/3280.0 71/5285.0 72/7570.0 73/10130.0*
RBZ 59*	TASS Moscow, RU, URS	15920.0
RCB 52	R Moscow feeder, RU, URS	11020.0
RCB 53*	TASS Moscow, RU, URS	10985.0
RCB 55*	TASS Moscow, RU, URS	12085.0
RCC 74	R Moscow feeder, RU, URS	14580.0
RCC 76	Moscow Meteo, RU, URS	7670.0 23010.0
RCC 79*	TASS Moscow, RU, URS	19210.0
RCD 33	R Moscow feeder, RU, URS	8005.0
RCD 34*	APN Moscow, RU, URS	12175.0
RCD 36*	PL Moscow, RU, URS	19505.0
RCD 39*	PTT Moscow, RU, URS	13847.0
RCE 54	PTT Moscow, RU, URS	16050.0
RCE 54*	TASS Moscow, RU, URS	16050.0
RCF 41*	TASS Moscow, RU, URS	17360.0
RCF 44	R Moscow feeder, RU, URS	9105.0
RCF 47	PTT Moscow, RU, URS	16215.0
RCG 79	R Moscow feeder, RU, URS	14625.0
RCH	Tashkent TS, UZ, URS	2500.0 5000.0 10000.0
RCH 7.	Tashkent Meteo, UZ, URS	72/9340.0+18680.0 73/9150.0
RCI 72	Moscow Meteo, RU, URS	3875.0
RCI 73	R Moscow feeder, RU, URS	18195.0
RCK 77	Novosibirsk Meteo, SW, URS	3635.0
RCN	Stepnyak, KA, URS	5404.0
RCO 75	Yakutsk Meteo, SE, URS	13450.0
RCQ 73	Yakutsk Meteo, SE, URS	10665.0
RCR 7.	Khabarovsk Meteo, SE, URS	72/5785.0* 77/11520.0* 78/13803.0* 79/14610.0
RCT 5.*	TASS Moscow, RU, URS	55/11495.0 57/18405.0
RCU 7.	Novosibirsk Meteo, SW, URS	71/7715.0* 73/9060.0 79/12230.0

ROO 70	Rostov-na-Donu Meteo, RU, URS	3610.0
ROP 59	R Moscow feeder, RU, URS	9200.0
ROQ 3*	Novosibirsk Meteo, SW, URS	7890.0
ROT	SN Moscow, RU, URS	6345.0 8456.0 8500.0 12995.0 13045.0 17045.0 17130.0* 17155.0 22450.0 25130.0
ROW 2.	R Moscow feeder, RU, URS	25/9150.0 26/14850.0 27/13960.0
RPJ 78	Tashkent Meteo, UZ, URS	4365.0
RPN 7.	Kiyev Meteo, UK, URS	71/3360.0 75/4525.0
RPT 3.*	TASS Moscow, RU, URS	31/10165.0 32/15925.0 34/19105.0
RQM 76	Khabarovsk Meteo, SE, URS	7530.0 15060.0
RQT	Irkutsk, SE, URS	14206.5 14294.5
RQV 70*	TASS Moscow, RU, URS	18050.0
RRG 25*	APN Moscow, RU, URS	19070.0
RRG 26	R Moscow feeder, RU, URS	18870.0
RRG 28*	APN Moscow, RU, URS	18520.0
RRG 29	R Moscow feeder, RU, URS	18460.0
RRQ 20*	TASS Moscow, RU, URS	18385.0
RRW 71*	APN Moscow, RU, URS	13540.0
RSF 27	R Moscow feeder, RU, URS	16370.0
RSR 7.	Minsk Meteo, BY, URS	76/4005.0 79/7575.0
RST 7.	Minsk Meteo, BY, URS	75/3810.0 76/7640.0
RSW 71*	Arkhangelsk Meteo, RU, URS	5345.0
RTA	Novosibirsk TS, SW, URS	10000.0 15000.0
RTB 25*	TASS Moscow, RU, URS	18160.0
RTB 26	Novosibirsk Meteo, SW, URS	9220.0
RTC 26*	Novosibirsk Meteo, SW, URS	15566.0
RTEU	Aleksandrov-Sakhalinskiy R, FE, URS	2590.0 4283.0
RTO	Moscow Meteo, RU, URS	53.6
RTP 78	Irkutsk Meteo, SE, URS	10205.0
RTQ 78*	Sverdlovsk Meteo, SW, URS	9290.0
RTT 40*	APN Moscow, RU, URS	16040.0
RTT 42	R Moscow feeder, RU, URS	10770.0
RTU 48	R Moscow feeder, RU, URS	20280.0
RTV 55*	TASS Moscow, RU, URS	6870.0
RTZ	Irkutsk TS, SE, URS	50.0
RUD 38*	APN Moscow, RU, URS	12222.5
RUN 64	R Moscow feeder, RU, URS	10930.0
RUU 72	R Moscow feeder, RU, URS	14437.0
RUU 76	Leningrad Meteo, RU, URS	3300.0 6600.0
RUU 78*	Leningrad Meteo, RU, URS	4900.0 9800.0 14700.0 19600.0
RUZU	SAAM Molodezhnaya, ANT	9280.0* 10142.0 10830.0 13385.0 13865.0* 15830.0* 18490.0
RVL 21*	Khabarovsk Meteo, SE, URS	8085.0
RVL 29*	APN Moscow, RU, URS	11575.0
RVL 29	R Moscow feeder, RU, URS	11575.0
RVM 45*	Tashkent Meteo, UZ, URS	5430.0
RVO 72	R Moscow feeder, RU, URS	5815.0
RVO 73	Moscow Meteo, RU, URS	5150.0
RVO 76	Moscow Meteo, RU, URS	2815.0
RVO 79	Moscow Meteo, RU, URS	6910.0 13820.0
RVO 79	R Moscow feeder, RU, URS	6910.0
RVU 75	R Moscow feeder, RU, URS	9350.0
RVW 52	R Moscow feeder, RU, URS	13670.0
RVW 53*	Moscow Meteo, RU, URS	13530.0
RVW 55	R Moscow feeder, RU, URS	13820.0
RVW 57*	TASS Moscow, RU, URS	12315.0
RVZ 73*	Arkhangelsk Meteo, RU, URS	3655.0
RWC 62	R Moscow feeder, RU, URS	10620.0
RWH 79*	Alma Ata Meteo, KA, URS	10570.0
RWM	Moscow TS, RU, URS	4996.0 9996.0 14996.0
RWM 71*	TASS Moscow, RU, URS	15780.0
RWM 72*	APN Moscow, RU, URS	15630.0

RWM 73*	PTT Moscow, RU, URS	15750.0
RWM 73	R Moscow feeder, RU, URS	15750.0
RWM 74*	APN Moscow, RU, URS	15720.0
RWM 74	R Moscow feeder, RU, URS	15720.0
RWM 77*	APN Moscow, RU, URS	16145.0
RWM 79*	APN Moscow, RU, URS	14950.0
RWN 70*	APN Moscow, RU, URS	18635.0
RWN 71*	APN Moscow, RU, URS	18455.0
RWN 72*	PL Moscow, RU, URS	18600.0
RWN 74*	APN Moscow, RU, URS	18835.0
RWW 73*	Moscow Meteo, RU, URS	5140.0
RWW 74*	Moscow Meteo, RU, URS	5020.0 10040.0
RWW 76	R Moscow feeder, RU, URS	19830.0
RWW 79	Moscow Meteo, RU, URS	4550.0
RWZ 72*	Moscow Meteo, RU, URS	3330.0
RWZ 74*	TASS Moscow, RU, URS	19845.0
RWZ 77	Moscow Meteo, RU, URS	11525.0 23050.0
RXA 7.	Alma Ata Meteo, KA, URS	71/3995.0* 76/9927.5 77/13707.0
RXB 7.	Khabarovsk Meteo, SE, URS	70/3250.0 72/4516.7 75/7475.0+14950.0
RXO 7.	Khabarovsk Meteo, SE, URS	70/9230.0+18460.0 72/14737.0 74/19275.0
RYM	IAG Moscow, RU, URS	10275.0 13360.0
RYO 7.	Novosibirsk Meteo, SW, URS	76/12320.0 79/5765.0
RYP 29	Khabarovsk Meteo, SE, URS	5110.0
RZA 24*	APN Moscow, RU, URS	10865.0
RZA 26	R Moscow feeder, RU, URS	10670.0
RZT 73	R Moscow feeder, RU, URS	9250.0
RZX 5	Magadan Meteo, FE, URS	5755.0
SAA	Karlskrona R, S	2789.0
SAB/...	Goeteborg R, S	-/1905.0*+2423.5*+2716.0 2/4299.5 3/6451.5 4/8646.0 6/12755.5 8/17057.2 9/22438.5 23/4268.6* 25/25415.5 33/6460.0* 44/8556.0* 63/12818.0* 83/17024.0* 93/22356.8* 209/4354.0* 214/4356.5* 301/6494.5* 319/6503.5* 407/8708.0* 424/8716.5* 606/13074.0* 624/13083.0* 814/17204.0* 864/17229.0* 907/22564.5* 932/22577.0*
SAC	Trelleborg R, S	2621.0
SAE	Tingstäde R, S	2768.0
SAG/..	Goeteborg R, S	-/1785.0+1904.0+4357.4+4363.6+4382.2+4410.1+4416.3+4428.7+6512.6+6518.8+8718.9+8725.1+8740.6+8749.9+8771.6+8793.3+8787.1+8799.5+8805.7+13107.0+13128.7+13131.8+13141.1+13144.2+13150.4+13156.6+13169.0+13178.3+17232.9+17239.1+17245.3+17254.6+17273.2+17282.5+17285.6+17298.0+17338.3+17356.9+22602.2+22617.7+22627.0+22633.2+22648.7+22679.7+22685.9+22698.3+26135.1+26144.4+26150.6 2/4262.0 3/6372.5 4/8498.0 6/12880.5 8/17079.4 9/22413.0 25/25461.0
SAH	Härnösand R, S	1650.0 2733.0
SAM	MFA Stockholm, S	10151.9* 12103.0* 13865.9* 14406.0* 14524.0* 17459.0* 18688.0* 18760.0 18810.0* 18947.0* 19216.2 19217.2* 19425.5* 19622.0* 20010.0 20012.0* 20605.0 20922.0* 20947.0* 20960.0* 20990.0* 23505.7* 23586.0* 24008.0*
SAM 31*	Swedish E El Djaza'ir, ALG	18688.0
SAM 34*	Swedish E Harare, ZWE	19622.0 20700.0
SAM 46*	Swedish E Baghdad, IRQ	20960.0
SAM 49	Swedish E Jeddah, ARS	12103.0* 18690.0 18691.6*
SAM 51*	Swedish E Tehran, IRN	19217.2
SAM 52*	Swedish E Tel Aviv, ISR	20012.0
SAM 59*	Swedish E Hanoi, VTN	18760.0 19218.0
SAM 62*	Swedish E Beijing, CHN	20990.0
SAM 67*	Swedish E Colombo, SLK	24008.0
SAM 70*	Swedish E Addis Ababa, ETH	20010.0 20012.0* 20700.0*
SAM 75*	Swedish E Nairobi, KEN	23586.0
SAM 76*	Swedish E Pretoria, AFS	20922.0
SAM 83*	Swedish E Santiago, CHL	23527.9
SAM 98*	Swedish E Manila, PHL	19425.5

TBB .	TN Ankara, TUR	5/4350.0 6/6502.0 7/8555.0
TBH 3	TN Izmir, TUR	3358.5
TBO/.	TN Izmir, TUR	-/8189.0 2/5291.6 3/6374.0 4 /8504.0
TCR	TURBAN Istanbul R, TUR	2760.0 4267.0 6400.5 12733.0 12774.0 17035.0 22362.0
TCY .*	AA Ankara, TUR	1/8137.5 4/18040.0
TEC	Puntarenas R, CTR	8472.0 13058.0
TFA	Reykjavik R, ISL	1650.0 1876.0 1890.0 4372.9 4397.7 4403.9 4413.2 6344.0 6506.4 6512.6 8690.0 8731.3 8737.5 8743.7 8811.9 13069.0 13116.3 13122.5 13144.2 13159.7 16909.7 17248.4 17276.3 17307.3 17322.8 22670.4 22673.5
TFM	Neskaupstadur R, ISL	1640.0 2700.0
TFT	Hornafjoerdur R, ISL	1673.0 4372.9
TFV	Vestmannaeyjar R, ISL	1715.0 2628.0
TFX	Siglufjoerdur R, ISL	1862.0 1883.0 2600.0 4397.7 4403.9
TFZ	Isafjoerdur R, ISL	1862.0 2724.0
TIM	Limon R, CTR	3980.0 4290.0 4297.0 6380.0 8478.0 8480.0 13100.0 16873.0 17149.0 22336.0
TJC/.	Douala R, CME	-/8771.6+8802.6+13181.4 6/8449.0 7/8718.0 8/13069.0
TJK*	ASECNA Douala, CME	4787.0 7474.0 9136.0 9226.0 11676.4
TKM	Grasse R, F	1834.0 2649.0 3722.0
TLO*	ASECNA Bangui, CAF	9287.3
TNA/..	Pointe-Noire R, COG	-/2705.0 8/8453.0 12/12682.5
TNB 82	OTIC Brazzaville, COG	15792.2 15795.5
TNL*	ASECNA Brazzaville, COG	3744.0 3898.0 4487.5 8123.0 9196.0 9285.0 14462.5 14722.5 14989.0
TNL 9.*	Brazzaville Meteo, COG	96/14986.0 97/10137.0
TNO*	ASECNA Pointe-Noire, COG	6772.0
TRA	Libreville R, GAB	2586.0 13101.0
TRK*	ASECNA Libreville, GAB	3544.5 6941.5
TRP 8	Gamba R, GAB	6509.5
TTL*	ASECNA N'djamena, TCD	7630.0 12263.0 14937.5
TTZ 90	STIT N'djamena, TCD	19090.0
TUA/.	Abidjan R, CTI	-/2586.0+4413.2+6512.6+8784.0+13113.2+17335.2+22670.4 3/4343.0 4/8465.0 5/13060.5 9/16947.8
TUH*	ASECNA Abidjan, CTI	5848.0 7690.0 9143.7 9846.0 11486.0
TXU	Saint-Pierre R, SPM	2038.0 2115.0 2410.0 2582.0
TYA	Cotonou R, BEN	1813.0 2320.0 2586.0 6383.0
TYE*	ASECNA Cotonou, BEN	5222.3 7524.0
TZH*	ASECNA Bamako, MLI	4535.0 11515.0
T3C	Takaronga R, Tarawa Atoll, KIR	2117.0 4388.4 8759.2
T3Z	R Bariki feeder, Tarawa Atoll, KIR	14859.5 14916.5
T6U 24	ICRC Kabul, AFG	20801.5* 20940.5* 20942.0
UAD 2	Kholmsk R, FE, URS	4245.0 6420.0
UAH	Tallinn R, ES, URS	3310.0 4285.0 4350.0* 6405.0 6485.0 8476.0 8710.5* 8712.0 12723.0 13092.5* 17077.0 17175.0* 17218.5*

UAI 3	Nakhodka R, SE, URS	8620.0 8655.0 13047.0 13067.5 16965.0 17080.0 17090.0
UAT	Moscow R, RU, URS	6475.0 6499.0* 8440.6 8707.5* 12739.0 12820.0* 12910.0 12930.0* 12980.0* 12993.0* 13089.0* 13091.5* 13100.8 16992.8 17066.0 17119.0* 17228.0* 17248.4 22423.0 22512.0 22567.5* 22614.6
UAW	Makhachkala R, RU, URS	3237.5
UBA 2	Petropavlovsk-Kamchatskiy R, FE, URS	4391.5 8808.8 13181.4 17288.7 22692.1
UBC 7	Uglegorsk R, FE, URS	2720.0
UBD	Krasnovodsk R, TU, URS	3170.0
UBE .	Petropavlovsk-Kamchatskiy R, FE, URS	2/4271.0+6370.0+13000.0 4/8793.3+13128.7+17276.3
UBF 2	Leningrad R, RU, URS	8451.0 12855.0 17065.0 22485.0
UBJ	Baku R, AZ, URS	2098.8 4369.8 17332.1
UBN	Zhdanov R, UK, URS	3190.0 4265.0 6477.5 6495.5* 8540.0* 8620.0 12697.0* 12711.0* 12732.0 13076.5* 16993.5 17141.6* 17220.0* 22580.0*
UBP	Provideniya R, FE, URS	4270.0
UCD 9	Yalta R, UK, URS	2585.0
UCO	Yalta R, UK, URS	8436.0 12760.0
UCV 2	Okhotsk R, FE, URS	2560.0
UCY 2	Astrakhan´ R, RU, URS	2780.0 6345.0
UCZ	Provideniya R, FE, URS	4357.4 8731.3
UDC	Zhdanov R, UK, URS	2805.0 4394.6 17356.9
UDE	Odessa R, UK, URS	3310.0 13113.2 17301.1 22599.1 22648.7
UDH	Riga R, LA, URS	2460.0* 2535.0* 3185.0 4236.0 4335.0* 6341.5* 6368.5 6496.0* 8506.0 8615.0 12671.5* 13070.0 13082.5* 16955.0* 16997.0 17181.0* 17197.5* 17216.0* 19488.2* 22455.0
UDK/2	Murmansk R, RU, URS	-/4413.2+6512.6+8774.7+13175.2+17267.0+22701.4 2/3250.0+4253.0+4260.0+6393.5+6455.0+8698.0+12797.0*+12803.0*+12830.0*+13050.0+16922.0+17020.0*+17170.0*+22354.5*+22497.0*
UDN	Novorossiysk R, RU, URS	4369.8 8762.3 13125.6 17232.9 22689.0
UDY	SAAM Novolazarevskaya, ANT	13385.0
UDZ 2	Poti R, GE, URS	17177.0
UEK	Feodosiya R, UK, URS	6370.0 17014.0
UFA	Batumi R, GE, URS	2800.0 4357.4 8753.0 13113.2 17322.8
UFB	Odessa R, UK, URS	4230.0 6341.5 6353.0 6447.0 8520.0* 8528.5 8593.0 8602.0 8661.0 12760.0* 12947.0* 12950.0 12997.5 13087.0* 17049.0* 17052.0* 17063.0 17155.0* 22464.0* 22555.0
UFF	Sukhumi R, GE, URS	2464.0
UFH	Petropavlovsk-Kamchatskiy R, FE, URS	3590.0 4255.0 4323.0* 6405.0 8436.0 8451.0 8555.0 8714.5* 8717.0* 12825.0 12835.4 16990.0 17035.0 22455.0
UFL	Vladivostok R, SE, URS	4285.0 6379.5* 6385.0 6445.0 6495.5 8515.0 8520.0 8585.0 8595.0 8709.0* 12729.0* 12955.0 13072.5* 13083.5 17110.0 17175.2* 17227.0* 22342.0* 22350.0* 22358.0* 22435.0* 22590.0* 25458.0*
UFM 3	Nevelsk R, FE, URS	4345.0 4407.0 6334.5 8446.0 8808.8 12684.5 13156.6 17316.6 22608.4
UFN	Novorossiysk R, RU, URS	4245.0 8571.0 8663.0* 8704.0 8706.5* 8709.0* 8711.5* 12891.0* 13040.0 13076.0* 13089.5* 16890.5* 17141.0* 17226.0* 17230.5* 22349.5 22571.0*
UFO	Kholmsk R, FE, URS	2450.0 6518.8 13141.1 17310.4 22633.2
UGE	Arkhangelsk R, RU, URS	2595.0 4357.4 8787.1 13125.6 17310.4
UGE 2	SAAM Bellingshausen, ANT	13385.0
UGH 2	Juzno R, FE, URS	4223.0 4391.5 6290.0 6375.0 8557.0 8759.2 13181.4 17316.6 22679.7
UGK .	Kaliningrad R, RU, URS	2/6337.0* 5/1734.2
UHF 3*	Moscow, RU, URS	7048.3* 10819.5 12024.0* 12056.0* 13455.0*
UHK	Batumi R, GE, URS	4295.0 6360.0 8546.0 8695.0* 12912.0* 12935.0 17137.0 17190.1 17190.5* 17231.5* 22322.5
UHO 2	Yuzhno-Sakhalinsk Meteo, FE, URS	2550.0 4030.0 4480.0 8180.0 11025.0
UHZ	Kherson R, UK, URS	2099.0
UIB 2	Magadan R, FE, URS	4305.0 8530.0
UIF 2	Anadyr´ R, FE, URS	6470.0
UIK	Vladivostok R, SE, URS	2605.0 4357.4 6512.6 8731.3 13100.8 17251.5 22599.1

VLS	Sydney TS, NSW, AUS	6449.0 12982.0
VLV*	OTC Mawson, ANT	15843.0
VMA*	RAAF Melbourne, VIC, AUS	26130.0
VNZ	RFDS Port Augusta, SA, AUS	2020.0 4010.0 5145.0 5845.0 6890.0 8165.0 8171.0
VPS/..	Victoria Island R, HKG	-/2060.0+4388.4+4407.0+6512.6+6515.7+8731.3+8749.9+13181.4+13193.8+17310.4+17344.5+22645.6+22648.7 8/4232.5 22/22536.0 28/6503.0* 35/8539.0 36/8584.0 37/8543.0 38/8710.0* 60/13020.4 61/13044.0 63/13077.5* 64/13083.0* 79/16987.0 80/17096.0 82/17212.0* 83/17222.0* 97/22564.0*
VRN ..	Victoria Island R, HKG	35/8619.0 60/13031.0 80/17192.0
VRT	Hamilton R, BER	2547.0 2550.0 4277.0 4385.3 6487.5 6512.6 8449.4 8768.5 12709.2 13159.7 16947.6 17285.6
VTG .	IN Bombay, IND	3/2072.0 4/4268.0 5/6467.0 6/8634.0 7/12808.5 8/16938.0 9/22378.0
VTK	IN Tuticorin, IND	13430.0 19450.0
VTP/..	IN Vishakhapatnam, IND	-/16695.0 3/2295.0 4/4238.0 5/6418.0 6/8646.0 7/12840.0 80/19450.5
VTU 4	Bombay, IND	13598.2
VUJ 9	Bhavnagar Port R, IND	2085.0 2103.0
VUK 5	Bedi Port R, IND	1760.0
VVD ..*	Delhi Meteo, IND	57/7580.0 62/12075.0 65/14837.0 69/19400.0
VWA 1	Ramnagar Port R, IND	1650.0 4279.0 6388.0 8595.5 12820.0
VWA 2	Hugli Port R, IND	1650.0 4279.0
VWA 509	Haldia Port R, IND	1650.0 4279.0
VWB	Bombay R, IND	2003.5 4316.0 8514.0 8630.0 8756.1 12710.0 12966.0 13128.7 17034.0 22551.0
VWC	Calcutta R, IND	2003.5 4286.0 8526.0 12745.5
VWG	Goa R, IND	2047.5
VWK	Kandla R, IND	2037.5
VWL	Mangalore R, IND	2037.5
VWM	Madras R, IND	2042.5 4301.0 8674.4 8722.0 12718.5 13150.4 16975.0
VWN	Cochin R, IND	2085.0
VWO	Okha R, IND	2085.0
VWP	Port Blair R, IND	2037.5
VWT	Tuticorin R, IND	2003.5
VWV	Vishakhapatnam R, IND	2097.0 8510.0
VWY	Porbandar R, IND	2097.0
VWZ	Ratnagiri R, IND	2042.5
VXA	CF Edmonton, ALTA, CAN	6705.0 6750.0 15035.0
V8L 2	SHELL Bandar Seri Begawan R, BRU	4400.8
WAH	Saint Thomas R, VIR	2506.0 2585.0 4357.4 4382.2 6515.7 6518.8 8728.2 8743.7 13100.8 13103.9 17236.0 17239.1 22664.2
WBL	Buffalo R, NY, USA	2514.0 2550.0 2582.0 4382.2 4410.1 8796.4
WCC	Chatham R, MA, USA	2036.0 4238.0 4268.0 4331.0 6333.5 6337.0 6376.0 6504.5* 8586.0 8630.0 8712.5* 8715.0* 12847.0 12925.5 12961.5 13033.5 13081.5* 13090.0* 16904.9 16933.2 16972.0 16973.5 17207.5* 17216.0* 22348.5 22366.5 22518.0 22521.0 22571.5*
WCM	Withamsville R, OH, USA	2086.0 2782.0 4063.0 6515.7 8213.6 12333.1 16518.9
WCT	Loiza R, PTR	2530.0
WDU 23	Kodiak R, ALS	2309.0
WDU 26	Cordova R, ALS	2312.0 2397.0
WDU 29	Sitka R, ALS	2400.0
WFA	Tampa R, FL, USA	2466.0 2550.0
WFA 57*	ITT New York, NY, USA	7752.5
WFB 37*	ITT New York, NY, USA	7756.2
WFE 34*	ITT New York, NY, USA	14875.0
WFK ..*	USIA New York, NY, USA	48/18542.5 54/14638.0

WFL 50*	ITT New York, NY, USA	10337.0
WFN	Jeffersonville R, IN, USA	2086.0 2782.0 4115.7 6518.8 8725.1 13103.9 17291.8
WGG 53	Cold Bay R, ALS	2312.0
WGG 56	Ketchikan R, ALS	2397.0
WGG 58	Juneau R, ALS	2400.0
WGK	Saint Louis R, MO, USA	2086.0 2782.0 4410.1 6212.4 8737.5 13103.9 17291.8
WKR	Nome R, ALS	2400.0
WLC	Rogers City R, MI, USA	2137.5 2195.5 2514.0 2550.0 2582.0 4369.8 4382.2 4410.1 8796.4
WLO	Mobile R, AL, USA	2055.5 2572.0 4256.0 4257.5 4343.0* 4352.0* 4354.5* 4369.8 4397.7 4413.2 6344.0 6416.0 6446.0 6446.5 6499.0* 6499.5* 6501.5* 6852.0 8445.0 8445.5 8473.5 8474.5 8514.0* 8658.0 8707.0* 8709.5* 8710.0 8712.0* 8717.5* 8790.2 8805.7 8808.8 9157.5 12660.0 12704.5 12705.5 12886.5* 12992.0 13024.9 13073.5* 13076.5* 13078.5* 13083.5* 13085.5* 13096.0* 13098.0* 13134.9 13175.2 13178.3 16968.5 16997.6 17021.6* 17172.4 17199.5* 17202.5* 17204.5* 17209.5* 17211.5* 17224.0* 17251.5 17329.0 17356.9 22318.5 22320.0 22487.0* 22564.0* 22568.5* 22591.0* 22676.6 22689.0 22707.6
WMI	Lorain R, OH, USA	4382.2 4410.1 8796.4
WNU	Slidell R, LA, USA	2048.0 4294.0 4310.0 4350.5 6326.5 6389.7 6495.0* 8525.0 8570.0 8688.0 8705.5* 12826.5 12869.0 13011.0 13099.5* 16861.7 17038.0 17117.6 17225.5* 22431.0 22458.0
WOM	Pennsuco R, FL, USA	2442.0 2490.0 2514.0 2566.0 4363.6 4391.5 4407.0 4425.6 8722.0 8731.3 8746.8 8759.2 8793.3 8811.9 13116.3 13122.5 13125.6 13144.2 13169.0 13190.7 17232.9 17257.7 17260.8 17263.9 17279.4 22639.4 22642.5 22661.1
WOO	Ocean Gate R, NJ, USA	4385.3 4388.4 4403.9 4422.5 8051.5* 8740.6 8749.9 8762.3 8796.4 13107.0 13128.7 13131.8 13184.5 13190.7 17245.3 17291.8 17310.4 17325.9 22596.0 22608.4 22623.9 22704.5
WPD	Tampa R, FL, USA	4274.0 6365.5 8473.0 8615.5 8708.5 13051.5 17169.5
WSC	Tuckerton R, NJ, USA	4316.0 6484.5 8664.0 8680.0 12879.5 13063.5 13074.0 16916.5 17106.5 17200.0 22418.0 22564.0
WWV	Fort Collins TS, CO, USA	2500.0 5000.0 10000.0 15000.0 20000.0
WWVB	Fort Collins TS, CO, USA	60.0
WWVH	Kihei TS, Maui Island, HWA	2500.0 5000.0 10000.0 15000.0
XDA	Mexico City R, MEX	8567.0 8575.5 8590.5 8626.0 8796.4 8805.7 12740.0 12836.0 12855.0 13014.5 13125.6 13175.2 16914.5 16942.5 17120.5 17140.0 17242.2 17273.2 22385.0 22400.0 22471.0 22516.0 22670.4 22698.3
XFA	Acapulco R, MEX	2600.0 4292.0 4363.6 6414.5 8514.0 8743.7 12752.0 13165.9 16935.5 22465.0 22670.4
XFB	Ciudad del Carmen R, MEX	2722.0 4307.5 6435.0 8562.5 8743.7 12675.0
XFC	Cozumel R, MEX	2802.0 4268.0 4363.6 4379.1 6390.0 6512.6 6515.7 8580.5 8743.7 12824.0 17273.2
XFE	Ensenada R, MEX	2725.0 4307.5 4394.6 6390.0 6515.7 8562.0 8796.4 13006.5 13165.9 16927.5
XFF	Coatzacoalcos R, MEX	2655.0
XFF 3	PEMEX Minatitlan R, MEX	4394.6
XFK	La Paz R, MEX	2665.0 4268.0 6350.0 6512.6 8505.0 12675.0 13165.9 22698.3
XFK 2	PEMEX La Paz R, MEX	4394.6
XFL	Mazatlan R, MEX	2805.0 4250.0 4379.1 6484.5 8470.0 8796.4 12703.0 17115.5
XFM	Manzanillo R, MEX	2685.0 4225.0 6354.0 8568.5 12829.5
XFN	Progreso R, MEX	2725.0 4225.0 6358.0 8621.0 8805.7 12729.0 17134.0 17282.5 22511.0
XFP	Chetumal R, MEX	2725.0 4292.0 4394.6 6439.0 6512.6 8595.5 12843.0
XFQ	Salina Cruz R, MEX	2745.0 4268.0 6360.0 8631.0 12708.0
XFS	Tampico R, MEX	2756.0
XFS 4	PEMEX Tecolutla R, MEX	4394.6 6512.6 6515.7 17242.2 17273.2 22698.3 22710.7
XFS 5	PEMEX Tuxpan R, MEX	6506.4 6512.6 17242.2 22670.4 22698.3
XFU	Veracruz R, MEX	2805.0 4285.0 4394.6 6367.0 8656.0 8805.7 12775.0 22477.0
XFU 2	PEMEX Veracruz R, MEX	6506.4 6515.7 17242.2 17273.2 22670.4 22710.7
XFY	Guaymas R, MEX	2710.0 4271.0 6435.0 8613.0 8805.7 12815.0

Y3B*	ADN Berlin, DDR	11125.0
Y3D/5*	DP Berlin, DDR	-/13375.0 5/13925.0
Y3I 3*	DP Berlin, DDR	18547.0
Y3L*	Potsdam Meteo, DDR	7980.0
Y3S	Nauen TS, DDR	4525.0
Y5M	Rügen R, DDR	146.0* 1677.0 1680.0 1716.0 1719.0 2627.0 2630.0 2662.0 2665.0 2812.0 2815.0 4233.5 4240.0 4242.5* 4260.0 4265.0 4313.0 4353.0* 4369.8 4376.0 4385.3 4413.2 6343.0 6358.5* 6428.5 6449.5 6466.0 6497.5* 8443.0 8463.0 8584.0 8608.5* 8660.0 8696.0* 8705.0 8722.0 8743.7 8796.4 8811.9 12681.5 12702.0 12745.0 12860.5 12909.0* 13062.5 13092.0* 13103.9 13110.1 13116.3 13196.9 16614.5* 16892.9 16907.3 16965.0 17000.0 17100.0 17183.0* 17210.0* 17288.7 17319.7 17332.1 17353.8 22334.5 22393.0 22401.0 22422.0 22437.0 22481.0 22545.0 22550.0 22654.9 22667.3 22673.5 22685.9 25069.0 25308.0 26455.0
Y7A ..	MFA Berlin, DDR	20/146.0* 24/4840.0* 31/6987.0 34/7812.5* 36/9062.0* 37/9078.0* 38/9086.0* 45/10464.0* 46/10554.0* 49/11459.0* 55/13950.0* 57/14460.0* 58/14569.0* 59/14619.0* 60/14818.0* 61/15911.0* 62/15963.0* 63/16199.0* 64/16243.0* 65/16268.0* 66/16308.0* 74/17456.0*+17670.0* 75/19238.0* 76/19390.0* 77/19680.0* 78/19700.0* 79/19885.0* 80/20020.0* 81/20170.0* 83/22722.2 84/22732.0* 86/22950.0* 87/22955.0* 88/23460.0* 89/24000.0* 90/24300.0* 91/24800.0* 92/26450.0*
Y7B 26*	GDR E Sofia, BUL	14462.0
Y7B 77*	GDR E Athens, GRC	16356.0
Y7F 44*	GDR E Damascus, SYR	9923.0
Y7F 59*	GDR E Tripoli, LBY	16358.0
Y7K ..*	MFA Berlin, DDR	22/5360.0 23/6955.0 25/7880.0 30/14605.0 32/17411.0 33/17415.0 40/17537.0
ZAA/6*	ATA Tirana, ALB	-/7850.0+15700.0 6/9133.0+18266.0+24304.0
ZAD/2	Durres R, ALB	-/2730.0+4360.5+8731.3+13116.3+17350.7+22673.5 2/4220.0+6434.0+8696.0+12690.0+17173.0
ZAO .*	PTT Tirana, ALB	2/6829.0 3/9388.0+28164.0
ZAS	Sarande R, ALB	6310.5 6434.0
ZAT*	ATA Tirana, ALB	9430.0 18860.0 28290.0
ZAT	Tirana Air, ALB	7910.8
ZAV	Vlore R, ALB	4372.9
ZAY*	ATA Tirana, ALB	10435.0 20870.0
ZBI	Georgetown R, ASC	2752.0 2755.0 8737.5 8740.6
ZBM	Saint George´s Harbour R, BER	2582.0
ZBP	Adamstown R, PTC	2162.0 12110.0
ZCK*	Kowloon Air, HKG	17417.0
ZEK 7	REUTER Victoria Island, HKG	4474.0
ZEN 33*	AFP Victoria Island, HKG	7542.5
ZEN 44	UPI Victoria Island, HKG	9444.5
ZEN 69*	XINHUA Victoria Island, HKG	9072.0
ZEN 77	REUTER Victoria Island, HKG	16275.3
ZEN 96	REUTER Victoria Island, HKG	20222.0
ZHH	Jamestown R, SHN	3162.0 4397.7 8737.5 12963.5 13150.4
ZKJ	Penrhyn R, CKH	2012.0
ZKLF	Auckland Meteo, NZL	5807.0 9459.0 13550.0 16340.1
ZKN	Alofa R, NIU	2207.0
ZKO	Aitutaki R, CKH	2012.0
ZKR	Avarua R, Rarotonga I., CKH	2207.0 8449.0 8793.3 13165.9
ZLB/.	Awarua R, NZL	-/2423.0 2/4277.0 3/6393.5 4/8504.0 5/12740.0 6/17170.4 7/22533.0
ZLC	Waitangi R, Chatham Is., NZL	2104.0
ZLD	Auckland R, NZL	2207.0
ZLK 43*	USN Christchurch, NZL	12122.0
ZLO .	RNZN Waiouru, NZL	2/4263.2 3/6339.8 4/8598.4 5/12719.8 6/16874.4 7/22379.3

ZLP .	RNZN Waiouru, NZL	2/4250.0 3/6436.8 4/8678.0 5/12944.9 6/17128.5 7/22408.3
ZLW	Wellington R, NZL	2153.0 2601.0 4379.1 6506.4 8737.5 13125.6 17248.4 22633.2
ZLX 44	GPO Wellington, NZL	16065.0
ZPA	Asuncion R, PRG	4357.4
ZPB	Asuncion R, PRG	8805.7
ZPC	Asuncion R, PRG	13193.8
ZPD	Asuncion R, PRG	17301.1
ZPK	Asuncion R, PRG	4301.0 4307.0 4328.0 4337.0 6390.0 6397.0 6481.0 8534.0 8614.0 8674.0 12813.0 12903.0 12921.0 12984.0 13011.0 17084.0 17204.0 17228.0
ZPK*	PN Asuncion, PRG	17592.0
ZRH/.	SAN Capetown, AFS	-/6766.0+8070.0*+9265.0*+18040.0*+22860.0* 2/4222.2 3/6336.5 4/8604.3 5/12692.2 6/17004.4 7/22393.2
ZRO .	Pretoria Meteo, AFS	2/7508.0 3/13538.0+13542.0* 4/18238.0+18241.8* 5/4014.0+4017.5*
ZRQ/.	SAN Capetown, AFS	-/12693.0* 2/4223.8 3/6338.1 4/8606.0 5/12693.8 6/17006.0 7/22394.8* 8/25345.0
ZSA 2.	Cape Agulhas R, AFS	21/1710.0 22/1750.0 26/2593.0 29/2783.0
ZSC ..	Capetown R, AFS	6/8688.5 7/17164.8 9/12698.0 20/22347.5 21/6379.5 22/8449.0 23/12709.0 25/4369.8 26/8731.3 27/13125.6 28/17254.6 29/22605.3 33/4317.0 34/6478.0 36/6467.0 37/8502.0 38/12772.5 39/16890.8 40/22455.0 41/25277.0 42/8461.0 43/12772.0 44/17018.0 45/4261.0 46/4291.0 47/6423.0 61/4353.5 62/8717.0* 63/13093.0* 64/17206.5* 65/22593.0
ZSD/..	Durban R, AFS	37/4376.0 38/8740.6 41/17332.1 42/22611.5 43/4242.5 45/8576.5 46/13028.0 47/17075.0 49/4240.0 50/8436.5 51/12663.0 52/16874.0 56/13172.1 60/8714.0* 61/13073.0*
ZSE 2.	East London R, AFS	21/1710.0 22/1750.0 26/2593.0 29/2783.0
ZSJ .	SAN Capetown, AFS	2/4283.0 3/6386.5 4/8566.0 5/12849.0 6/17132.0
ZSL 2.	Lüderitz R, NMB	20/1700.0 21/1710.0 22/1750.0 23/1765.0 25/2593.0 26/2607.0 27/2716.0 28/2761.0 29/2783.0
ZSM 2.	Cape Columbine R, AFS	21/1710.0 22/1750.0 26/2593.0 29/2783.0
ZSN	Capetown R, AFS	2593.0
ZSQ 2.	Port Elizabeth R, AFS	22/4363.6 23/8725.1
ZSV ..	Walvis Bay R, NMB	4/1765.0 6/2607.0 7/2783.0 24/1700.0 26/2593.0 29/17254.6 31/4357.4 32/8718.9 33/13125.6
ZUD ..	PTT Pretoria, AFS	47/20930.0 68/9385.5* 89/14402.0*
ZUO	Pretoria TS, AFS	2500.0 5000.0
ZXA 4	Tedut R, B	4379.1 8740.6 13122.5
ZXF 3	Bavit R, B	4379.1 8740.6 13122.5
ZZQ 8	Denor R, B	4379.1 8740.6 13122.5
Z2F 1*	Yugoslav E Harare, ZWE	16300.0 19228.0
3AC ..	Monte Carlo R, MCO	4/4363.6 5/4394.6 6/6509.5 8/8728.2 9/8743.7 12/13172.1 13/13070.0 16/17251.5 17/17192.0 18/8702.0 22/22651.8 32/22500.0
3BA .	Port Louis R, MAU	4/8554.0 5/12831.0
3BB	Port Louis Harbour R, MAU	4403.9 8802.6 13134.9 17288.7 22667.3
3BM .	Port Louis R, MAU	3/6351.5 5/12988.5 6/16978.4
3BT .*	Vacoas Meteo, MAU	2/3463.0 3/7693.0 4/15955.0
3BZ*	Plaisance Air, MAU	13540.0
3CA 4	Bata R, GNE	4244.0
3CA 5	Malabo R, GNE	4337.0
3CA 6	Malabo R, GNE	17165.6
3CA 7	Malabo R, GNE	8706.0
3DP	Suva R, FJI	2111.0 4372.9 6509.5 8690.0 8746.8 12700.0 13103.9

3MA ..	CNA Taipei, TAI	22/13563.0* 23/19680.0 24/15878.0 25/14685.0 26/7695.0*+9090.0*+13766.0 28/10960.0* 29/5117.0 30/7330.0 34/9430.0 35/16224.0* 36/22850.0 99/10235.0*
3SA	CN Shanghai, CHN	17030.0
3SB	CN Datong, CHN	17030.0
3VA 74*	TAP Tunis, TUN	17390.0
3VB	Bizerte R, TUN	1687.4 2210.0
3VF 40*	TAP Tunis, TUN	13610.0
3VM	Mahdia R, TUN	1696.4 1771.0
3VP/.	Sakhira R, TUN	-/2221.0 6/4251.0 7/8534.0 8/12806.0
3VS	Sfax R, TUN	1672.4 2719.0
3VT	Tunis R, TUN	1768.4 2670.0
3VW 1	Bizerte Port R, TUN	1637.0
3XC .	Conakry R, GUI	2/6383.0 4/1813.0 5/2586.0 6/2805.0
3XO ..	Kamsar R, GUI	5/2586.0 6/1813.0 7/2800.0 27/6383.0
4NX 7*	INTERPOL Belgrade, YUG	12224.5
4OC .*	TANJUG Belgrade, YUG	2/5240.0 3/5112.0
4PB	Colombo R, SLK	4366.7 4376.0 4388.4 6509.5 8473.0 8725.1 8743.7 12925.5 13175.2 17045.6 17356.9
4QQ 74*	DW Trincomalee, SLK	17480.0
4UA*	UNO Rawalpindi, PAK	17567.0 20465.7
4UF*	UNECA Addis Ababa, ETH	19313.0
4UNQ*	UNIFIL Enn Naqoura, LBN	14496.2 15994.3
4US*	UNO Nicosia, CYP	9923.5
4UV*	UNEP Nairobi, KEN	19280.0
4UZ*	UNO Geneva, SUI	7887.0 10461.0 15992.0 16234.3 19821.5
4WD 3	Hodeidah R, YEM	4230.0 8588.0 12855.8
4XA	Elat R, ISR	2649.0 2656.0 3656.0 3765.0
4XD	Potash R, ISR	1873.0 1890.0
4XO	Haifa R, ISR	2649.0 3656.0 4238.0 4366.7 4385.3 4410.1 4425.6 6430.0 6470.5 6512.6 6515.7 8485.0 8694.0 8718.9 8731.3 8753.0 8799.5 12860.0 13051.5 13110.1 13119.4 13138.0 13144.2 17060.0 17146.4 17257.7 17270.1 17282.5 17316.6 22491.0 22605.3 22614.6 22645.6 26103.0
4XT	Tel Aviv R, ISR	1918.0 3765.0
4XT 2	Genosar R, ISR	1708.0 2160.0
4XT 3	Tiberias R, ISR	1708.0 2160.0
4XT 4	En-Gev R, ISR	1708.0 2160.0
4XZ	IN Haifa, ISR	2680.0 2800.0 4241.4 4289.0 4324.0 6379.0 8437.0 10046.0 12984.0 15050.0 15803.0 17050.5 22330.5
5AB	Benghazi R, LBY	2513.0 2816.0 4422.5 6518.8 8450.0 8805.7 12660.0 13193.8 17291.8 22698.3
5AF*	Tripoli Air, LBY	2950.0 5900.0 18388.6 19822.5
5AH	Benina Air, LBY	9228.0
5AL	ARGOIL Tobruk R, LBY	4241.0 8480.0 16963.0
5AT	Tripoli R, LBY	2197.0 2320.0 2418.0 4413.2 4431.8 6506.4 6512.6 8515.0 8771.6 12680.0 13107.0 17263.9 22633.2
5B./..	Nicosia R, CYP	A/2670.0+2700.0+4347.5+8465.0+8623.0+12666.5+12931.0+16884.0+17013.0+22365.0 A22/4372.9 A24/4397.7 A26/4434.9 A34/6512.6 A42/8737.5 A44/8771.6 A46/8777.8 A48/8805.7 A52/13100.8 A54/13122.5 A56/13190.7 A62/17239.1 A64/17329.0 A72/22630.1 A74/22648.7 C67/14476.0 C68/14564.0 C84/17387.0

5HD*	Dar es Salaam Air, TZA	7990.5 9446.0 11174.7
5IP	Dar es Salaam, TZA	5085.0
5IP 23	Bukoba, TZA	5085.0
5KM	CN Bogota, CLM	18980.0 20157.7*
5NK*	Kano Air, NIG	7342.0 7817.0
5NL*	Lagos Air, NIG	7426.0 9105.0 10391.0
5OW/..	Lagos R, NIG	-/2755.0+4425.6+6506.4+6518.8+8768.5+8774.7+13134.9+13193.8+16861.5+17307.3+17353.8+22599.1+22611.5 6/6411.0 8/8698.0 13/13065.5 17/17199.0
5OZ 2.	Port Harcourt R, NIG	22/2511.0+2630.0 23/8461.5+8490.0+8496.0+12696.5+12723.0+12935.5+16923.6+16942.0
5RD	Tolanaro R, MDG	2712.0 4372.9
5RL	Antseranana R, MDG	2712.0 4400.8
5RN	Nosy Be R, MDG	2652.0 4372.9
5RO	Mahajanga R, MDG	2579.0 4360.5
5RS	Toamasina R, MDG	2733.0 4232.5 4286.9 4372.9 6348.0 6430.4 6515.7 6518.8 8465.0 8573.9 8737.5 8811.9 12697.8 12860.8 13116.3 13175.2 16930.4 17147.9 17344.5 22338.0 22490.0 22716.9
5RT	Toliara R, MDG	2579.0
5ST	ASECNA Antananarivo, MDG	16245.0
5ST ..*	Antananarivo Meteo, MDG	41/7552.5 83/17400.0
5TA	Nouadhibou R, MTN	1881.0 2652.0 8572.0
5TX*	ASECNA Nouadhibou, MTN	6943.0
5TY*	ASECNA Nouakchott, MTN	5783.0
5UA*	ASECNA Niamey, NGR	5730.5 7596.0 7614.0 7922.0 8030.3 9159.5 9187.5 9848.0 11575.0
5VA/8	Lome R, TGO	-/1650.0+2586.0 8/4363.6
5WA	Apia R, SMO	2206.0 4357.4 6512.6 8777.8 13138.0 17304.2
5XR 88*	ICRC Kampala, UGA	20754.4
5YD	Nairobi Air, KEN	7423.0* 8165.0* 11546.0* 13366.5* 13737.0* 16245.0
5YE	Nairobi Meteo, KEN	7505.0* 9043.0* 9045.0 10111.0* 10115.0 10384.2* 10387.0 11123.5* 11127.0 17363.0* 17367.0 22388.0
5ZF/.	Mombasa R, KEN	-/2595.0+4397.7+8784.0 2/8441.4 3/13065.0 4/17175.2
6MA	Mosulpo F R, KOR	1745.0 2032.0 2091.0 2438.0 2521.1 2583.0
6MB	Jumunjin F R, KOR	2530.0
6MC	Guryongpo F R, KOR	2405.0
6MD	Kunsan F R, KOR	2517.0
6MJ	Bangeojin F R, KOR	2517.0
6MK	Chungmu F R, KOR	2550.0
6MK ..	YONHAP Soul, KOR	50/7868.0* 53/6915.0 58/17373.0 60/6983.0 64/11602.5*
6MM	Masan F R, KOR	2449.0
6MN	Sokcho F R, KOR	2032.0 2521.1 2723.6
6OM*	Muqdisho Air, SOM	10509.5 12182.0
6OW*	Kismaayo Prefect, SOM	11473.5
6OZ*	Hargeysa Prefect, SOM	9185.0
6TR 88	ICRC Khartoum, SDN	13950.2 20753.0
6VA/.	Dakar R, SEN	-/1813.0+2586.0+4366.7+8725.1+13134.9+17319.7+22654.9 3/4295.0 4/6383.0 5/8690.0 6/12655.0 7/16947.6
6VK ...*	PANA Dakar, SEN	221/20327.5 317/16117.0
6VU*	ASECNA Dakar, SEN	2700.0 5424.0 6975.0 7483.0 9070.0

6VU 7.	Dakar Meteo, SEN	73/13665.0*+13669.5 79/19747.5*+19751.5
6VY 41*	Dakar Meteo, SEN	7585.0
6WI	ASECNA Dakar, SEN	17995.0
6WW	FN Dakar, SEN	8538.0 8992.5 12857.0 13410.0 16951.5 18365.0*
6YI	Kingston R, JMC	2587.0 2590.0 3535.0 4369.8 4403.9 6470.5 6518.8 8465.0 8753.0 13065.0 13172.1 16947.6
6YX	JCG Kingston, JMC	2738.0 4225.0 6350.0 8450.0 12750.0
7OA	Aden R, YMS	2595.0 3628.0 4391.5 8441.4 8774.7 13060.5 17175.2
7OB 45*	ANA Aden, YMS	9965.0
7OC*	Khormaksar Air, YMS	5442.5 11005.7 11541.1 11640.0
7OW 93	Aden, YMS	10373.0
7RQ 20	MFA El Djaza´ir, ALG	10996.0 18143.5 20144.0
7RQ 50	Algerian E Jakarta, INS	20144.0
7RQ 70	Algerian E Islamabad, PAK	20144.0
7TA/..	El Djaza´ir R, ALG	-/1792.0+2691.0+2775.0 2/4288.0 4/6415.0 6/8437.0 8/12662.0 10/16932.0 12/22543.0 13/4385.3 14/4394.6 15/4428.7 16/4434.9 17/6506.4 18/6512.6 19/6518.8 20/8722.0 21/8743.7 22/8756.1 23/8793.3 24/13119.4 25/13144.2 26/13150.4 27/13196.9 28/17319.7 29/17325.9 30/17341.4 31/17356.9 32/22608.4 33/22670.4 34/22676.6 35/22710.7
7TB	Annaba R, ALG	1911.0 2394.0
7TF	Skikda R, ALG	6410.0 6415.0 8437.0 8722.0 8743.7 12662.0 13119.4 13144.2 16932.0 17325.9 22543.0
7TO	Oran R, ALG	1735.0 2586.0 2719.0
7UP 5	PTT El Djaza´ir, ALG	16050.0
7XA 9.*	El Djaza´ir Meteo, ALG	97/6981.8 98/11601.0
7XR 27	Adrar Meteo, ALG	6945.0
7XR 31	Bechar Meteo, ALG	6945.0
7XR 92	Tindouf Meteo, ALG	6945.0
8BB 35*	Jakarta Meteo, INS	11500.0
8BN*	Medan Air, INS	6924.5
8BO 4	Bengkulu Air, INS	6921.0
8CJ*	Ujung Pandang Air, INS	14462.5
8EB 5*	PTT Banda Aceh, INS	14619.0
8PO	Bridgetown R, BRB	2582.0 2723.0 4376.0 6379.5 8449.3 8765.4 8793.3 12709.0 13138.0 16947.6 17353.8
8Q2	Male R, MLD	4379.1 4434.9 6506.4 8737.5 8805.7 13184.5 13193.8 17273.2 17350.7 22661.1 22707.6
8Q9*	Male Air, MLD	6989.0
8RB	Demerara R, GUY	2555.0 2558.0 8449.0 12709.0 16947.6
8WB 4*	Indian E Tehran, IRN	16375.0
8WD 4*	MFA Delhi, IND	16378.5
9BC ..*	IRNA Tehran, IRN	22/7800.0 23/7959.0 25/8049.0 31/18560.0 32/19200.0 33/19980.0
9GA	Takoradi R, GHA	1835.0 3150.0 4262.0 4360.5 6424.0 6506.4 8542.0 8787.1 12669.0 13103.9 17175.2 17279.4 22633.2
9GC*	Accra Air, GHA	5738.0 5803.5
9GX	Tema R, GHA	1940.0 2820.0 3150.0 4340.0 4382.2 6480.0 6509.5 8696.0 8793.3 12765.0 13172.1 16920.0 17298.0 22639.4
9HA	Luqa Air, MLT	3595.0* 7795.5* 9228.0 17548.6*
9HD	Valetta R, MLT	2625.0 4223.5 4385.3 6506.4 8441.4 8737.5 12709.2 13147.3
9HY ..*	DW Cyclops, MLT	9/9196.0 15/15712.0

9JZ*	Lusaka Air, ZMB	7913.0 11443.0
9KK/..	Safat R, KWT	-/2200.0+2750.0+2765.0 2/4299.0 3/4413.2 4/6381.0 5/6509.5 6/8525.0 7/8737.5 8/12895.0 9/13172.1 20/12925.0 21/17288.7 22/16995.0+17298.0 23/22504.0 24/22605.3 25/22642.5 32/4431.8 52/6518.8 72/8743.7 92/13181.4
9KT ...*	KUNA Safat, KWT	22/3803.0+3807.0 24/5023.0+5027.0 25/6858.0+6862.0 26/7899.0+7911.5+7915.5+7924.0 27/9227.0+9231.0 29/11574.0+11578.0 33/14831.0+14835.0 262/7599.0+7603.0 263/7649.0+7653.0 264/7697.0+7701.0 281/10153.0+10157.0 282/11493.0+11497.0 291/12176.0+12180.0 292/12075.0+12079.0 321/14418.0+14422.0 331/15643.0+15647.0 344/17623.0+17627.0 345/18203.0+18207.0 349/18307.0+18311.0 351/18278.0+18282.0 352/18293.0+18297.0 356/18640.5+18644.5
9LL	Freetown R, SRL	2710.0 2755.0 6411.0 8710.0 8728.2 13042.5 17175.2
9MB/.	MN Georgetown, Pinang I., MLA	-/5064.0+10950.0 2/4239.0 3/3481.0 5/12781.5 6/16950.0
9MG ..	Georgetown R, Pinang Island, MLA	2/8492.0+8595.5+8698.0 3/12678.0+12831.0+12943.5 4/2680.0 6/4228.0+4337.0 8/4400.8+4407.0 9/8718.9+8771.6 10/6470.5 11/17045.6+17172.4 12/22465.0 15/8705.0* 17/17206.0* 20/2191.0 21/4416.3+4431.8 22/13131.8+13178.3 24/2790.0 30/6506.4 33/8811.9 38/17263.9 42/22689.0
9MK .	Kuantan R, MLA	5/2191.0 7/2620.0 8/2830.0
9MP .	Kelang R, MLA	5/2191.0 6/1980.0 7/2694.0
9MY ..*	Kuala Lumpur Meteo, MLA	58/9143.0 63/18354.0
9NK*	Kathmandu Air, NPL	10486.0
9PA	Banana R, ZAI	2192.0 4357.4 4382.2 8445.0 8546.0 8753.0 8762.3 8777.8 12660.0 13181.4 17184.8 17350.7 22431.0
9PL*	Kinshasa Air, ZAI	9058.0 9092.5 11027.5 14786.5 18363.5
9RE ...	PTT Lubumbashi, ZAI	203/20351.5* 395/19434.6*+19435.7+19442.0
9RL 394	PTT Kinshasa, ZAI	19495.5 19497.3*
9UA*	Usumbura Air, BDI	13870.0
9VF 38	NAM Singapore, SNG	7892.0
9VF 44	JIJI Singapore, SNG	8140.0
9VF 63*	ANSA Singapore, SNG	10400.0 10408.0 10416.0
9VF 69	TAS Singapore, SNG	11065.0
9VF 205*	JIJI Singapore, SNG	16150.0
9VF 206*	ANSA Singapore, SNG	16265.0
9VF 207	KYODO Singapore, SNG	16270.0
9VF 209*	JIJI Singapore, SNG	17430.0
9VF 228*	ANSA Singapore, SNG	20245.0
9VF 232*	ANSA Singapore, SNG	20910.0
9VF 233*	KYODO Singapore, SNG	20960.0
9VF 235	KYODO Singapore, SNG	23865.0
9VG ..	Singapore R, SNG	5/2760.0 9/6340.5 20/12733.5 23/4280.0 24/6358.5 25/8530.0 26/12817.5 27/22479.0 28/17031.0 33/4313.0 34/12707.0 36/8688.0 37/12659.5 40/8706.5* 52/2780.0 53/16868.5 54/4322.0 55/6412.0 56/8476.0 57/12724.0 58/16966.5 59/22428.0 60/4369.8 61/4376.0 62/6509.5 63/8728.2 64/8762.3 65/8790.2 66/13147.3 67/13156.6 68/17270.1 69/17356.9 70/22630.1 73/8609.5 74/4350.0* 77/6504.0 78/8709.0* 79/8715.0* 80/13071.5* 81/13085.5* 82/17197.5* 83/17205.5* 84/22566.0* 94/13082.0* 95/13089.0* 96/17209.5*
9WH	Kota Kinabalu R, Sabah, MLA	8438.0
9WW 20	Kuching R, Sarawak, MLA	2130.0 8522.0

(continued on page 317)

7 Frequencies and stations without complete official call sign, and co-channel stations

7.1 Introduction

Many stations do not use their official call sign according to the ITU identification regulations specified in chapter 4. Notorious exceptions are

- air stations using ICAO location indicators, e.g. ´LGAT´ instead of SWA;
- diplomatic and military stations using fictive call signs, e. g. ´DOR´ = MFA Sofia; ´91 HGN´ = SN Cadiz;
- military stations using tactical call signs which change regularly (daily), e. g. ´AU26´, ´ZH8R´, etc.;
- military stations using NATO routing indicators, e.g. ´RPFN´, ´UBDAD´, etc.

7.2 NATO routing indicators

NATO routing indicators are used in military telecommunications throughout the Western World. They are applied in the standard teletype message format as well as in operational traffic or test tapes.

A routing indicator consists of four to seven letters. The first four or five letters indicate the location, while the rest indicates the addressed military unit or sub-unit. The first four letters are decoded according to the following table:

	First letter Type of use	Second letter Country	Third letter Operation area	Fourth letter Force service
A		Australia	East Asia	Army
B		Commonwealth		Army
C		Canada	Central North America	Army
D		Denmark	United Kingdom, Iceland	Army
E		Spain	Eastern North America	Army
F		France	Continental Europe	Army
G		Germany (F.R. of)		Army
H		U.S. of America	Central South Pacific	Army
I		Italy		Navy
J		Argentina		Navy
K		Greece	Alaska, Aleutian Islands	Navy
L		Luxembourg	Caribbean, South America	Navy
M		SEATO	South East Asia	Navy
N		Netherlands		Navy
O				Navy
P		Portugal		Air Force
Q	Reserve strategic	Belgium	Middle East	Air Force
R	Strategic			Air Force
S		S. Afr. (R. of)	Western Asia	Air Force
T		Turkey	Iberia, Northwest Africa	Air Force
U	Tactical	U.S. of America		Air Force
V			South Africa	Air Force
W			Western North America	Joint
X		CENTO, NATO		Joint
Y		Norway	Australia	Joint
Z		New Zealand		Joint

Examples:

- RFFLBCF: Strategic French Army in Continental Europe (sub-unit BCF of FF Toulon, F)
- RPTI: Strategic Portuguese Navy in Iberia (PN Ponta Delgada, AZR)
- UBDA: Tactical British Army in the Commonwealth (UNID major switching centre during annual British military exercises)

For examples of NATO routing indicators used in standard military teletype messages see chapter 22.

7.3 List of stations

Listed are
- ITU country/geographical symbol;
- call sign (apostrophe indicates routing indicator, or call sign not in compliance with official ITU allocations);
- name of the station;
- frequency (-ies) in kHz.

An asterisk * indicates a RTTY station or frequency, or RTTY used on this frequency alternately with other type(s) of modulation.

AAB		Region 1 coast stations calling frequency	2170.5
		Region 1 ship stations calling frequency	2191.0
		Region 1 ship-to-shore working frequency	2046.0 2049.0
AFS	ZS. ..	many R stations	1700.0 1765.0 2607.0 2716.0 2761.0
	´RSVI´	SAN Capetown*	18035.0
ALB	ZA.	many R stations	2282.0 2400.0 4302.0
		PTT Tirana*	16558.0
		Turkish E Tirana*	9367.0
		Yugoslav E Tirana*	10165.5
ALG		APS El Djaza´ir*	14932.0 15480.0
		Cuban E El Djaza´ir*	18656.0
	´3G5´	Czech E El Djaza´ir*	20901.3
		Egyptian E El Djaza´ir*	16136.7
		El Meridj Prefecture*	8130.0
		El Oued Prefecture*	6800.0
	´H6L´	French E El Djaza´ir*	13543.0
		In Salah Prefecture*	7840.0
		Italian E El Djaza´ir*	7446.5
	´KARIM´	MOI El Djaza´ir*	13332.0
		SAPB Oran R	1650.0
		SAPB Skikda R	1650.0
ARG		DyN Buenos Aires*	11013.0
	L..	many R stations	2065.0 3860.6 4239.5
		NA Buenos Aires*	10805.0
		TELAM Buenos Aires*	7428.5
ARS		Pakistan E Jeddah*	16000.0
		SABS Riyadh feeder	5068.0 10990.0 18757.5
		Spanish E Jeddah*	9946.5
ATG		English Harbour R	2582.0
AUS	VI.	many R stations	2056.0 2201.0 4366.7 4428.7 6512.6 8749.9
	VI./.	many R stations	6407.5 6463.5
	´MET´	OTC Sydney, NSW*	9043.5
AUT		Czech E Vienna*	6797.0
AZR	´RPFR´	PAF Lajes AFB*	9224.5
	´RPTTA´	PAF Ponta Delgada*	5201.5
	´RPTIH´	PN Horta*	3696.0 11025.0 14410.0
	´RPTI´	PN Ponta Delgada*	7353.0 17525.0
		Ponta Delgada Pilot R	2132.0
B		Argentine E Brasilia	18734.0 18736.0*
		FF Brasilia*	22763.0
	PW.	many BN stations	4260.0 4307.0 6375.0 6453.0 8480.0 8670.0 12750.0 12804.0 16902.5 17060.0 22329.5 22461.0
	PY. 2.	many Iate Clube R stns.	4137.4 4431.8
	PP.	many R stations	2086.0 2089.5 2096.5 4366.7 4369.8 4382.2 4403.9 4413.2 8774.7 8790.2 8802.6 8808.8
	P.. ...	many R stations	4379.1 4410.1 8740.6 8771.6 13122.5 13153.5
	Z.. .	many R stations	4410.1 8771.6 13153.5

BEL		Oostende Pilot R	1708.0
		Vlissingen Pilot R	1708.0
		Yugoslav E Brussels*	4600.0
		Zeebrugge Pilot R	1708.0
BEN		Cotonou Port R	2321.0
		Czech E Cotonou*	20800.0
		MFA Cotonou	21855.0
BUL		Czech E Sofia*	14480.0
	´DOR´	MFA Sofia*	8175.0 13375.0 13865.0 13932.0 116015.0 16345.0 16355.0 19075.5 19085.0 20325.0 20352.0
CAF	´RFFXI´	FF Bangui*	10680.5 14750.0 15860.0 16226.5 20267.6
CAN		Czech E Montreal, QUE*	19460.7
	V..	many CCG stations	2514.0 2538.0 2582.0 2598.0 4376.0
	VA.	many CCG stations	2054.0
		MFA Ottawa, ONT*	19071.5
(CAN)		many CFARS stations	14384.5 14445.0 20962.0 20970.0
		many RCAF stations	11233.0
		Yugoslav E Ottawa, ONT*	16329.0
CAR	KUP 6.	many R stations	2616.0 2724.0
CHL		Arica*	8211.3
	CB./..	many DGTMMM R stations	2738.0 4357.4 4366.7 4413.2 4431.8 6506.4 6515.7 8718.9 8737.5 8743.7 8756.1 8762.3 8768.5
CHN		XINHUA Beijing	7656.0 12362.0
CLM		CN Barranquilla	7800.0
		CN Cali	7800.0
CME	´RFTJD´	FF Douala*	9125.0 10169.0 13542.0 16323.0 20715.0 20812.0
CNR	´71 HGE´	SN Las Palmas*	4234.0 6288.0 19792.5
CPV	´RFTJFA´	FF Praia, Santiago*	24711.7
CTI		Abidjan F R	2416.0 2650.0 4366.7 6509.5 8734.4 13134.9
	´RFTJF´	FF Port Bouet*	10492.0 17378.8 17550.9
CUB	CL./.	many R stations	2760.0
CYP	´CJL´	MFA Nicosia*	11696.5 16339.5
D		Berlin*	3307.0
		Czech E Bonn*	5746.5 7623.0
		Düsseldorf*	2385.7
	´RFGX´	FF Baden-Baden*	5404.0 5439.0
	´AU26´	GA Oggelshausen	4648.0
		Gießen*	2768.5
		Kiel*	7548.0
		München*	2293.9 4916.0 4919.9
		Regensburg*	4916.0
		RFE Holzkirchen feeder	4465.0 4565.0 5125.0 5295.0 6995.0 10420.0 10860.0 14712.5 16065.0
		Saarbrücken*	2865.5
		Tübingen*	3597.5
		VoA Ismaning feeder	7722.5
(D)	AEM 1...	many USA MARS stations	3917.5
DDR	Y2V ..	ADN Berlin*	13390.0
		INTERFLUG Berlin	6753.0 11237.5
	Y7K 2.	MFA Berlin*	11600.0
		Potsdam Meteo*	2695.0 2770.0 4015.0 4045.0
DJI	´RFQP´	FF Jibuti*	5832.6 8107.6 10814.2 13442.6 13654.6 13830.0 14757.5 16125.2 16193.2 19385.2 20805.2 20855.0 23305.2
	´DJR´	Jibuti Air	5333.5* 5932.0* 16245.0
		PTT Jibuti	7690.0
DMA		Roseau Port R	2216.5 2284.5 3690.1 4136.3 8281.2 8740.6 12421.0 16565.0 22094.5
DOM	HI./..	many Pilot R stations	2738.0
E		Aguino R	1866.0
		Arrecife R	1730.0 2586.0
		Barcelona R	1730.0 2707.0
		Burela R	1810.0

E	´RETENX´	Burgos*	24922.3
		Burgos*	14506.7
		Cabo de Gata R	1866.0 2679.0
		Cedeira R	1800.0
		Chipiona R	1700.0 2842.0
		Cillero R	1691.5
		COPE Ayamonte R	1800.0
		COPE Bermeo R	1754.0
		Egyptian E Madrid*	12928.7
		ENPA Valencia R	3306.0 3325.0 4868.0
	´RETWL´	Guardia Civil Logron	5380.0 5381.5*
		Isla Cristina R	1904.0
		La Coruna R	1748.0 2596.0
		Lequeitio R	2580.0
		Machichaco R	1704.0 2586.0
		Madrid Meteo	3650.0 10250.0
		Palma de Mallorca R	2792.0
		Sada R	1707.0
		San Fernando R	2632.0
		Santona R	1840.0
	´RETS´	Sevilla Police*	4776.7
	´75 ORC´	SN Barcelona	2112.0* 4196.0 6345.0
	´91 HGN´	SN Cadiz*	2197.5
	´71 XBP´	SN Cartagena*	4363.0 6521.0
	´99 GDH´	SN Cartagena*	8391.0
	´72 CGB´	SN Ceuta*	12469.6
	´74 DEL´	SN Gerona*	8353.0
	´72 DOV´	SN Huelva*	4195.0
	´RETJ´	SN Madrid	4364.0 6521.0
	´78 IJU´	SN Madrid*	2325.0 2419.0 2848.0 3629.0 4230.0 4311.2 6251.0 6333.0 6377.5 6408.5 6842.0 8441.0 8458.0 8465.0 9042.0 12657.0 12693.0 12932.5 22410.0
	´98 DDU´	SN Madrid*	4279.0 6771.0 8474.0 13052.4
	´78 YLQ´	SN Tarifa*	4607.0 6329.0
		Turkish E Madrid*	17979.0
	´RUTA´	USN Rota*	16233.0
		Vitoria*	26303.5
		Zaragoza*	6991.5
EGY		Italian E Cairo*	20162.0
		MFA Cairo*	6421.7 6528.7 6751.7 7723.7 7746.7 7811.7 10552.7 11191.7 11211.7 11236.7 11251.7 11311.7 12469.7 12538.7 13351.7 13929.7 14251.7 14320.7 14867.7 15016.7 15916.7 15938.7 16151.7 16203.7 16318.7 16346.7 17114.7 18021.7 18166.7 18721.7 19001.7 19006.7 19541.7 20051.7 23116.7
		Ras Shukheir Oilwell*	5343.5
ETH		Egyptian E Addis Ababa*	16651.7
		GDR E Addis Ababa*	19397.0
		Yugoslav E Addis Ababa*	14914.0
F	´RFFVA´	FAF Paris*	8094.7
	´RFFE´	FF Bordeaux*	5254.0 6948.0 7475.0
	´RFFEC´	FF Bordeaux*	5072.5
	´RFFC´	FF Lille*	5740.0
	´RFFF´	FF Lyon*	5192.5 5357.0 5458.0
	´RFFH´	FF Marseille*	4498.5 5061.5 5224.0 5316.0 6939.4
	´RFFS´	FF Metz*	3803.0
	´RFFDC´	FF Rennes*	6925.0
	´RFFG´	FF Strasbourg*	3388.0 5818.0 5847.5 7425.5
	´RFFX´	FF Versailles*	8003.0 8509.0 9337.0 10120.0 10858.0 13572.5 16291.0 20385.0
	´RFFUAJ´	FF Villacoublay*	13977.7 17462.7
		many Cross R stations	2677.0
	´P6Z´	MFA Paris*	14486.5 14975.0 15873.0 16230.0 18760.0 19635.0 20556.0
	´RFGW´	MFA Paris*	11483.0 24310.0

F	´RFFA´	MOD Paris*	3826.5 5396.6 6943.5 7605.0 9075.0 9980.5 10176.0 10949.6 13310.0 16076.0 16165.2 18502.0 19048.7 19417.0 20178.0 22915.0 23234.2 26240.0
		Pakistan E Paris*	21853.0
FNL		many Pilot R stations	2418.0 2747.0
G		Benin E London	21855.0
	GKX ..	Portishead Air	8185.0 8960.0 10291.0 17405.0 19510.0 20065.0
		Saint Helier R, Jersey	1726.0
		Saint Peter Port R, Guernsey	1662.5 1792.0 1810.0
		RAF Portland	8993.0
	´CRO´	USAF Croughton*	10532.9
GAB	´RFTJDA´	FF Libreville*	10665.0 14420.0
		Libreville Port R	2306.0 2654.0 3197.0 3237.0 6204.0 8268.4
		Port Gentil Port R	2153.0 2321.0 2652.0 2791.0
GHA		FRG E Accra*	13928.6
		MFA Accra	20954.7
GRC	´ATNS´	French E Athens*	12490.0 14868.0 14870.0
		FRG E Athens*	11538.4 13928.6 14663.5
		MFA Athens*	23005.7
		VoA Kavalla*	14982.9 14984.3 18265.8 18267.2
GUF	´RFLIG´	FF Cayenne*	12063.0
GUI		Egyptian E Conakry*	19553.7
HKG		INTERPOL Victoria Island	14607.5
HTI		Port-au-Prince R	2738.0
HWA	´PHWR´	USAF Hickam AFB, Honolulu*	7873.0
I		Egyptian E Rome*	6753.7 16171.7
	´RIFAH´	IA Cagliari*	6903.3
	´RIFAG´	IA Palermo*	3685.8 11057.4
	´RIFAHB´	IA Teulada*	6903.3
		IA Tirano*	4852.2
	´RIFAGF´	IA Trapani*	3685.8
		IA Treviso	5086.8* 5089.0
	´RIFAGD´	IA Vallelunga Pratameno*	5082.8
	´RIFMCF´	IN Rome*	2436.0 5875.0
		MFA Rome*	7449.5 7910.5 9067.0 10172.0 10547.5 11098.5 12126.5 12128.0 12196.5 13425.5 13919.5 15681.5 15811.5 16156.5 17498.5 19516.5 19671.5
		Pakistan E Rome*	18091.7
IND	´VECC´	Calcutta Air*	10122.5
		FRG E Delhi*	13928.6 20066.8
	´VOHY´	Hyderabad Air	5776.0
	´RBSL´	IN Bombay*	8500.0 12903.0 16922.0
		Indonesian E Delhi*	18491.5 19101.5 19500.0
		Jogindernagar	6952.5
		Polish E Delhi*	15679.0
INS		Ambon	7341.5
		Banda Aceh	10842.0 11185.0
	8HF ..	Bandung	5176.5
		Batam Island	10478.5
		BP Jakarta	14789.0
		BP Palembang	14789.0
		Cirebon	18824.5
		Denpasar	14765.0
		GOTIM Medan	10350.4
		GTZ Bengkulu*	11500.0
		Jakarta	9075.0 9347.0 10980.0 13396.0 13540.0 14633.0 18824.5
		Jambi	14647.5
	P..	many R stations	12682.5
	P.. ..	many R stations	8802.6
	PK.	many R stations	4238.0 4295.0

INS	PK. .	many R stations	4410.1 6337.0 6355.0 6491.5 6506.4 8445.0 8686.0 8808.8
	PK. ..	many R stations	2690.0 3180.0 4425.6 6456.5 6512.6 6515.7 6518.8 8626.0 8759.2 8796.4 12980.0
		Mataram	10912.0
		Medan	6995.2 10889.5
		MFA Jakarta	14512.5* 14575.0 16211.0 18056.7* 18401.5* 19111.5* 19117.5*
		Nigerian E Jakarta*	23355.0
		Padang	7341.5 11500.0
		Pangkalanbuun	5027.5
		PERTAMINA Jakarta*	13814.0
		PERTAMINA Lhokseumawe*	13814.0
		Pontianak	7120.0
		SST Palembang	6722.5
		Tanjung Pinang	10271.0
IRL	´O´	IA Dublin	19771.0
IRN	´BUNI´	Indonesian E Tehran	18320.0 18321.5*
		Italian E Tehran*	14534.5
	EQ.	many R stations	4292.0 6362.0 6515.7 8469.0 8790.2 13069.5
		Pakistan E Tehran*	12772.3
		UNIIMOG Tehran*	19315.4
IRQ		ICRC Baghdad*	13966.5
ISR		FRG E Tel Aviv*	20421.5
J		FRG E Tokyo*	22904.5
		Indonesian E Tokyo*	18398.5
		Kushiro Harbour R	2785.9
	J..	many R stations	4244.0 6386.5 6512.6 8534.0 8698.0 8811.9 12660.0 13015.5 13196.9
	J../5	many R stations	2091.0 2150.0
		Osaka Harbour R	2019.0
		Turkish E Tokyo*	19962.0
JOR		French E Amman*	16383.0
		PETRA Amman*	6830.0
KEN		Egyptian E Nairobi*	18001.7
		Italian E Nairobi*	20053.5
		Mombasa*	9271.2
		Nairobi	12140.0
KMP	´SPK ..´	SPK Phnom Penh*	10/9828.0 72/9255.5
KOR		Anhung F R	2027.0
		Cheju F R	2032.0
		Donghae F R	2521.1 2600.0
	DS.	many F R stations	2091.0 2115.0 2583.0
	6M.	many F R stations	2115.0
		many F R stations	2115.0
	6M./.	many Port R stations	1880.0
	HL.	many R stations	2091.0 2583.0
		Samch´onp F R	2268.0 2521.1
	HBD ..	Swiss E Soul*	20603.2
		Taeha-dong F R, Ullung do Island	2449.0
KRE		KCNA Pyongyang	9439.7 12169.7
		PTT Pyongyang	10809.0
KWT	9KT ...	KUNA Safat*	9313.0 9317.0 17995.7 20627.5 20631.5
LAO		KPL Vientiane*	10114.0 14640.0
LBN	´RFFXL´	FF Beirut*	9086.0 10415.0 13980.0 14578.0 14960.0
	´BRTH´	French E Beirut*	16305.0
		Irish UNIFIL Beirut	19771.0
	´RYICW´	Norwegian UNIFIL Beirut	13936.0 13938.5*
LBY		Italian E Tripoli*	8134.5
		JANA Tripoli*	10518.0 12186.0 14573.0 15462.0 20560.0
LCA		Castries Lighthouse R	2146.0 2327.0 2381.0 2527.0 2582.0 2638.0
		Vieux Fort Lighthouse R	2146.0 2381.0 2527.0 2582.0 2638.0
MDG		Antalaha R	2663.0 4360.5

MDG		Maintirano R	2712.0 4400.8
		Manakara Sud R	2579.0 4360.5
		Mananjary R	2652.0 4400.8
		Morondava R	2652.0 4372.9
MDR	´RPTMB´	PN Porto Santo*	11145.0
MEX	XF. .	many PEMEX R stations	2660.0 4346.0 4363.6 4379.1 6442.5 8690.0 8743.7 8796.4 8805.7 12790.0 13165.9 17069.6
	XF./.	many PEMEX/R stations	4366.7 8768.5 13125.6 13175.2
	XF.	many R stations	2270.0 2320.0 2431.0 2470.0 2542.0 2560.0 6506.4 17242.2
		Merida*	7888.0
MLA		FRG E Kuala Lumpur*	20062.5
MLI		Egyptian E Bamako*	9316.7 18341.7
MMM	Region 1 intership working frequency		2053.0 2056.0
	Regions 2 and 3 intership working frequency		2635.0 2638.0
MOZ		Italian E Maputo*	28271.4
	C8R ..	many R stations	2094.0 2601.0
	C8E 32.	Nacala	12162.7
MRC		Egyptian E Rabat*	18121.7
	´J5W´	French E Rabat*	19641.1
		Polish E Rabat*	16112.0
		VoA Tanger*	5460.0 9855.0 10972.0 10999.0 12223.5 13770.0 19814.8 19914.8 20014.8
MRT	´RFLI´	FF Fort de France*	6770.0 10800.0 11108.8 13732.0 14625.0 14875.0 15960.0 16142.0 17502.0 19100.0 19215.0 19697.0
MTN	´Z4D´	FF Nouakchott*	16230.0
		FRG E Nouakchott*	20421.5
MWI	7QH ..	many RAILMA R stations	3563.6
MWM	supplementary worldwide distress and calling frequency		4125.0 6215.0
	worldwide calling/distress/safety frequency		3023.0 5680.0
	worldwide coast and ship stations simplex frequency		4143.6 6218.6 6221.6 8291.1 8294.2 12429.2 12432.3 12435.4 16587.1 16590.2 16593.3 22124.0 22127.1 22130.2 22133.3 22136.4
	worldwide coast stations DSC frequency*		4357.0 6506.0 8718.5 13100.0 13100.5 17232.0 17232.5 22595.0 22595.5
	worldwide distress and calling frequency		2182.0
	worldwide distress and safety frequency		8291.0 12290.0 16420.0
	worldwide DSC distress and safety frequency*		2187.5 4207.5 6312.0 8414.5 12577.0 16804.5
	worldwide MSV SAR operations frequency		10003.0 14993.0 19993.0
	worldwide NBDPT distress and safety frequency*		2174.5 4177.5 6268.0 8376.5 12520.0 16695.0
	worldwide NBDPT MSI frequency*		4210.0 6314.0 8416.5 12579.0 16806.5 19680.5 22376.0 26100.5
	worldwide NBDPT NAVTEX frequency*		4209.5
	worldwide ship stations DSC frequency*		4187.5 6281.5 8375.5 12562.0 12562.5 16750.5 16751.0 22248.0 22248.5
	worldwide survival craft stations frequency		8364.0
MYT	´RFVITT´	FF Dzaoudzi*	6980.0
NCG		Yugoslav E Managua*	13903.0
NCL	´RFHI´	FF Noumea*	18040.0
NIG		FRG E Lagos*	18184.0
		MFA Lagos*	19357.0 19644.0 19836.5 20037.0 20735.0 23355.0 24060.0
		NAN Lagos*	10602.5
		Sapele Port R	8799.5
NOR	LG.	many R stations	2695.0
		MFA Oslo*	21858.0

NOR		NRK Oslo feeder	15659.0
NZL	ZMH ..	many Harbour R stations	2012.0 2162.0 4419.4
		Taharoa Harbour R	2480.0
OCE	´RFHJ´	FN Papeete, Tahiti*	12195.0 18965.0 24870.0
OMA		Salalah Port R	2635.0
PAK		MFA Islamabad	14386.7* 14407.0* 16385.0 16386.7* 18031.7* 18091.7* 21060.0* 21853.0* 24006.7*
PHL		Cebu	10801.0
		French E Manila*	10764.0
	D.. .	many R stations	4136.3 4230.0 6515.7 8451.0 8777.8 8784.0 8802.6 8808.8 12661.5
	DZ.	many R stations	17245.3
	DV. 7	Navotas R	8728.2
		VoA La Union, Poro I.*	11477.0 14526.5 19792.5 20482.5
PNR		Armuelles Port R	4139.5
		La Palma Port R	4139.5
		Vacamonte Port R	4139.5
POR	´RPFN´	PN Lisbon*	6860.0 7397.0 9225.0 11140.0 13437.0 17472.0 25315.0
	´RPFNG´	PN Lisbon*	5336.5
	´RPFNN´	PN Lisbon*	3696.0 13504.0
		Viseu*	5049.3
(POR)	CT.	many PN stations	2657.0
PRU	O.. .	many PELPER R stations	4475.0
	OB. .	many R stations	4376.0 4397.7 6474.0 8546.0 8749.9 13015.5
REU	´RFVI´	FF Le Port*	6745.6 6884.0 7642.1 7895.0 10867.1 10872.0 12188.6 13845.0 16012.6 16086.0 20632.0 22911.0
S	SAB 8..	Goeteborg R*	17225.5
		Polish E Stockholm*	10177.0
		Stockholm Air	11222.0 11225.0
SDN		Egyptian E Khartoum*	14645.7 19821.7
		SUNA Khartoum*	9080.0 12120.9 15731.0 18788.0
SEN	´RFTJ´	FF Dakar*	6900.0 10605.0 10916.0 12088.5 14925.0 14958.1 15550.0 15635.0 19144.0 19645.0 26440.0
		Kaolack R	1630.0 2586.0
		MFA Dakar	13295.0
		PANA Dakar*	19383.0
		Ziguinchor Port R	3168.0
		Ziguinchor R	1630.0
SLK		Bangladesh E Colombo*	26463.5
	´VCCC´	Colombo Air*	5115.0 6529.5
SNG		Egyptian E Singapore*	17226.7
SOM		Baraawe	6790.0
		BDA Jilib	7870.0
		Berbera	5310.0
		Garoowe	7756.8
		GTZ Muqdisho*	13893.5
		Marka	9355.0 11105.0
		Muqdisho	5175.0 6790.0 6949.0 7756.8 9355.0
SUI		Polish E Berne*	12131.0
SYR		PLO Damascus	14390.0
		SANA Damascus*	11080.0 15020.0
TAI		INTERPOL Taipei	18755.5
TCD	´RFPTC´	FF N´djamena*	14585.7 16147.7 18447.7 20995.7
TCH	´X´	Beacon Prague	3171.9 3180.0 5922.0 6735.0 9322.0 18313.0
	OM.	many R stations	6506.4
		Prague Meteo*	3196.0 4336.0 6392.0
TRD		AMOCO Galeota R	2292.0 2398.0 2735.0 2738.0
		Port of Spain R	6210.4 8281.2 12421.0
		TOC Pointe-a-Pierre R	2166.0 2406.0 2506.0 2558.0 2638.0
TUN		Egyptian E Tunis*	14909.7
	3VW/.	many Port R stations	1743.0
		MFA Tunis*	5260.0 5505.0 5621.0 6770.0 8105.0 13941.5
TUR		Egyptian E Ankara*	19266.7

TUR		Italian E Ankara*	15795.5
TUV		Funafuti Island R	4388.4
TZA		Indonesian E Dar es Salaam*	20401.5
		Zanzibar R	2049.0 2638.0
URG	CW. ..	many UN stations	2040.5 2638.0 2721.5
	CW./..	many UN stations	2226.5 4280.0 4369.8 6376.0 8578.0 12655.5 16904.9
URS		AEROFLOT Moscow, RU	11193.0 13220.0
		APN Moscow, RU*	15640.0 15693.0 16155.0 18200.0 18245.5 19725.0 20710.0
	OEC ..	Austrian E Moscow, RU*	11076.5
	´S´	Beacon Arkhangelsk, RU	6801.5 8645.5 10643.5 13635.5 17015.7 20991.7
	´P´	Beacon Kaliningrad, RU	3167.0 3206.0 3291.0 3564.2 3592.0 3754.0 3772.0 4031.0 4099.0 4202.2 4476.0 4605.0 4618.0 4767.0 4809.0 4842.0 5182.0 5306.2 5862.0 6263.0 6336.0 6572.0 6802.2 6986.0 7356.0 8646.2 10644.2 13636.2 17016.2 20992.2
	´K´	Beacon Khabarovsk, SE	4054.5 5920.0 7904.5 8143.5 8157.5 9042.5 14476.5 11155.0 12149.5 15809.0 18347.5 23713.5
	´Ü´	Beacon Kholmsk, FE	10647.0 13639.0
	´L´	Beacon Leningrad, RU	3097.3 3565.8 4304.8 5308.8 6804.8 10646.8 13638.8
	´M´	Beacon Magadan, FE	12828.0 13636.5 17016.5 20992.5
	´C´	Beacon Moscow, RU	3564.0 4302.0 5306.0 6802.0 8646.0 10644.0 13636.0 17016.0 20992.0
	´O´	Beacon Moscow, RU	3566.0 4304.0 5308.0 6804.0 8648.0 10646.0 13638.0 17018.0 20994.0
	´Z´	Beacon Mukachevo, UK	5308.5 6804.7 10646.7 11200.0 13638.7
	´U´	Beacon Murmansk, RU	3563.0 3635.5 4447.5 4774.5 5374.5 5784.5 5867.5 5916.5 6244.5 6862.5 6984.5 7000.0 7422.5 7676.5 8077.5 8082.2 8135.5 8641.5 8669.5 9056.5 9313.5 10214.5 12184.5 12327.5 14325.0 14966.5 15654.5 15704.5 16155.0 18113.0 20429.0 24369.0
	´D´	Beacon Odessa, UK	3563.5 5305.0 6801.5 8647.0 10643.5 13637.0 17015.5 20993.0
	´F´	Beacon Vladivostok, SE	2481.0 5667.0 6803.0 8646.5 10645.0 13637.0 17017.0 20993.0
	´UWWB´	Bugul´ma Air, RU*	10210.0 15980.3
		Egyptian E Moscow, RU*	18206.7
		Irkutsk Meteo, SE*	7700.0
		Kiyev Air, UK	6617.0
	RGC 7.	Kiyev Meteo, UK*	3290.0 6580.0
		Krasnoyarsk Air, SW*	4135.0
		Kuybishev Air, RU	6693.0
		Kuybishev Meteo, RU	4575.0 5420.0
		Leningrad Air, RU	6617.0
		Moscow Air, RU	6617.0
		Murmansk, RU*	8150.0
		Murmansk Meteo, RU	4142.0 6446.0 10520.0
		Novosibirsk Air, SW	6693.0
		Novosibirsk Meteo, SW	4475.0 8950.0
		PTT Moscow, RU	13977.5 14501.5* 14639.5
		Riga Air, LA	6617.0
		R Moscow feeder, RU	3508.0 3848.0 4767.3 8081.0 10855.0 12141.0 11665.0 13735.0 15650.0 19273.1 19725.0
		Rostov-na-Donu Air, RU	6617.0
		Rostov-na-Donu Meteo, RU	9100.0
		SAF Moscow, RU	20698.0 23710.0
		Spanish E Moscow, RU*	9050.0
		Sverdlovsk Air, SW	6693.0
		Syktyvkar Air, RU	6693.0
		Tashkent Air, UZ	6730.0
		Turkish E Moscow, RU*	18184.0
		Tyumen´ Air, SW	6693.0
		Vietnamese E Moscow, RU*	18610.0
		Yeniseysk Air, SW	6693.0
USA		Egypt. E Washington, DC*	19951.7
		French E Washington, DC*	16383.0

USA		VoA Bethany feeder, OH	10869.0
		VoA Delano feeder, CA	14398.0 18137.5
		VoA Greenville feeder, NC	5745.0 6873.0 7480.5 7651.0 7768.5 10235.0 10454.0 11150.0 14526.0 18275.0 18782.5 19261.5 19480.0
		VoA Greenville, NC*	10233.0 10234.3 10235.8 10237.2 10380.8 10382.2 15715.8 15717.1 18215.0 18602.9 18604.4
(USA)		many NORAD stations	9023.0
		many USAF stations	3060.0 6715.0 6761.0 8989.0 8993.0 11176.0 11243.0 13241.0
	AFA 6..	many USAF MARS stations	6775.0
	AFA 7..	many USAF MARS stations	3917.5
		many USAF MARS stations	14606.0 20188.5
		many USA MARS stations	20994.0
	N..	many USCG stations	4428.7 5696.0 6506.4 6518.8 8765.4 13113.2
	NM./..	many USCG stations	2670.0
		many USCG stations	8984.0
		many USN MARS stations	13974.0 14383.3 14467.0 14470.0 14477.0 16298.5 20936.0
VTN	´VVGL´	Hanoi Air*	13291.9
		MFA Hanoi*	18241.4
	´HVQ ..´	VNA Hanoi*	8/9124.0 20/8136.5
	´VNA ..´	VNA Hanoi*	30/16383.0 86/11420.0
		VNA Hanoi*	13656.0
	´GPX 5´	VNA Ho Chi Minh Ville*	9140.0
YEM		French E San´a*	16383.0
YMS		PLO Aden	14390.0
YUG		Egyptian E Belgrade*	11528.7 11611.7
	´OPBE´	JAT Belgrade	13248.0 17975.0
	YU.	many R stations	2191.0 2615.0 2670.0 2685.0 2771.0
	´DFZG´	MFA Belgrade*	4482.0 5312.0 6794.0 6827.0 9046.0 10802.0 11149.0 11625.0 12297.0 13340.0 13399.0 14677.0 14912.0 16302.0 18045.0 18055.0 18417.0 19227.0 20132.0 21862.0 24102.0
		Turkish E Belgrade*	13953.0
ZAI		AZAP Kinshasa*	10670.0
		MFA Kinshasa*	14432.0
		Nigerian E Kinshasa*	23355.0

(continued from page 307)

9XK*	Kigali Air, RRW	9164.0
9XK 79*	DW Kigali, RRW	18212.0 21767.0
9YL	North Post R, TRD	2735.0 3165.0 6470.5 8441.0 12885.0 17184.8

8 RTTY press services in alphabetical order

Alphanumerical index of news agencies and other stations transmitting regular press bulletins.

Listed are
- country;
- name of the station;
- frequency;
- call sign;
- time (-s) and language (-s).

Not listed are
- irregular news broadcasts by diplomatic or military stations;
- harmonic or spurious emissions;
- frequencies which have been monitored with "ry" transmissions only.

ALBANIA

ATA Tirana

7850.0	ZAA	1100-1245+1700-1845+1900+2100 F
9133.0	ZAA 6	0700+0900-1045 E /1845 E
9430.0	ZAT	0800-1045 F, 1100+1500+1700-
10435.0	ZAY	1400+1500 F

ALGERIA

APS El Djaza'ir

14932.0		0700-1000 A, 1100 E, 1200 F, 1300 E, 1400 A, 1500 S, 1600+1700+1800 A
15480.0		1000+1100 E, 1200 F, 1300+1400 E, 1500 S, 1600 F, 1700 S, 1900 E

ARGENTINA

DyN Buenos Aires

4549.5	LRO 9	2200-0400 S
7954.5	LRN 85	1100+1900-0400 S
11013.0		1500+2000-0400 S

NA Buenos Aires

3840.0	LRO 23	0000+0100+2200+2300 S
10805.0		1000+1200+2000-0300 S

TELAM Buenos Aires

3266.7	LRB 83	2100-0500 S
4004.5	LRO 2	0900+2200-0500 S
7428.5		0500+1000+2000-0300 S
10893.5	LRB 39	0900+1100+1900-0100 S
13540.0	LRO 81	1500-0400 S
18421.0	LQB 54	1800+1900 S

BAHRAIN

GNA Manama

4042.5	A9M 9	1500-2100 A
9197.5	A9M 41	0500-1500 A
14764.0	A9M 70	0500-2100 A

BELGIUM

Oostende R

5376.5	OST 28	0400 Dutch

BULGARIA

BTA Sofia

6960.0	LZN 3	1730+1900 E
7460.0	LZB	1730 E
11110.0	LZG 2	1200+1300 E
11502.0	LZH 4	0800+1330+1830 E
13400.0	LZG 3	1200+1300 E
15555.0	LZP 2	1200+1300 E

CHINA

XINHUA Beijing

6915.0	BAP 46	0900+1100+1400+1500+1630+1830 E
7520.0	BZP 57	1400+1700-0300 E
7650.0	BZR 67	1400+1700-0300 E
7744.0	BUA 53	1700 E
7887.0	BZS 27	0000+0100+1800+1900+2000 E
7923.0	BPJ 34	1500 F, 1830 E /1800 E
9417.0	BZP 59	0000+0100+0200+1400+1500+1600+
9491.0	BZR 69	0100 E
10982.0	BAP 40	0600+0700+0800 E
11133.0	BZG 41	1400+1500+1600+1700+1800 F
11680.0	BZP 51	0100+1400-1800 E
12265.0	BZR 62	0200+1400+1500+1600+1700 E
14367.0	BZP 54	0600-2000 E
14376.0	BZT 34	0830-0945 R
14760.0	BAT 93	0200+0800+1000+1200+1300+1400+1500 E, 1600 F, 1700+1900+2000 E
14923.0	BAP 44	0000-0300 E
14927.0	BUA 54	0700 E
14938.0	BPJ 22	1500 E, 1600 F
16136.0	BZR 66	0900-1500 E
17214.0	BZP 58	0600+1200 E
17443.0	BZG 48	0700-1300 F
17470.0	BZS 28	0700+0800+0900+1000+1100 E
18872.0	BZR 68	0600-1500 E

CUBA

PL Habana

8140.0	CLN 219	0800+0900 E
13826.5	CLN 411	0800 E
14901.0	CLN 451	0600+1200-2200 E
16348.0	CLN 530	1200-2300 E
18193.5	CLN 603	2200 E

CZECHOSLOVAKIA

CETEKA Prague

5917.0	OLC 4	1710-1800 E
9353.0	OLX 5	1900-2000 E /1600 F
13647.5	OLI 5	1010-1110 F, 1230-1315 E, 1510-
15897.5	OLS 4	1400-1500 E
17525.0	OLV 3	0600-0700+1130-1215+1610-1700 E
18985.0	OLD 2	0710-0810+0850-1000 E

DENMARK

Lyngby R

4355.5	OXZ	0030+0830+1630 Danish
6498.5	OXZ	0030 Danish
13084.0	OXZ	1530 Danish
13093.5	OXZ	0030+0830+1530+1630 Danish
17212.5	OXZ	0830+1630 Danish
22570.0	OXZ	1630 Danish

EGYPT

MENA Cairo

3356.0	SUA 99	1700+2100 E
3571.0	SUA 40	1500-2300 A
5220.0	SUA 94	0600+1400-2300 A /2100+2200 E
5275.0	SUA 211	1700 E/F, 1800+1900 E, 2000 F,
7610.0	SUA 231	0200+0600+1600 E, 1800 F, 1900 E, 2000 F, 2200+2300 E
7756.0	SUA 34	1500+1600+1700+1900+2100 A
10150.0	SUA 246	0600-2400 A
13653.0	SUA 50	0600+0800 F, 0900 E, 1200+1500+1700 F, 1800+2000+2100 E
15845.0	SUA 289	0600-2200 A
15935.0	SUA 291	1100 F, 1200 E, 1300+1400 F, 1700+2000 E, 2100 F

FINLAND

Helsinki R

6497.0	OFA	0100 Finnish
17427.5	OFA	1100+1700 Finnish

FRANCE

AFP Paris

5839.6	FTF 84B.H1	1700-0500 A
5841.0	FTF 84B.H3	1700-0500 F
8022.3	FTI 2H1	1600-0700 A
8023.7	FTI 2H3	1200+1600-0600 F
10557.9	FTK 56H1	0300+0500+1600+2100 A
10559.3	FTK 56H3	0200+0400+1600-2200 F
10614.3	FTK 61H1	0500+0600+1700+1800 F
14794.3	FTO 79A.H1	0600-1800 A
14795.7	FTO 79A.H3	0600-1900 F
15977.0	FPP 97G	0700-1900 E
15978.4	FPP 97F	0700-1900 F
18669.3	FTS 67H1	0900-1900 F

18670.7	FTS 67H3	0900-1900 E
20311.8	FTU 31B.G	0700-1800 E
20313.2	FTU 31B.F	0700-1800 F

DIPLO Paris

9187.5	FYJ 8	0500+0600+0700 F
9788.0	FTJ 78	0800-1900 F
13998.0	FTN 99	0000+0900-2200 F
16397.5	FTQ 39	0900-1800+2100+2200 F
18785.0	FTS 78	1200-1900 F
20078.0	FTU 8B	0100+0200+0300+0600+0900-2200 F
20315.0	FTU 31	0900+1000+1100 F
22915.0	FTW 91	0900+1100+1500+1600+1700 F, 1800 S, 1900+2300 F

GERMAN DEMOCRATIC REPUBLIC

ADN Berlin

9053.0	Y2V 8B	1500+1700+1800+1900 E
10543.0	Y2V 54	0700-0200 E
10784.5	Y2V 43B	0645 P, 1800-1950 F
10785.5	Y2V 43A	1800 E /1900 E
10919.5	Y2V 22B	1400 F, 1600+1700 A, 1800 F,
10920.5	Y2V 22A	1500-2000 E, 2200 S
11125.0	Y3B	1900+2000+2100 E
11420.0	Y2V 59	2000+2100+2200 E /S
12251.0	Y2V 32	1000 E, 1800-1950 F, 2200+2300
13390.0	Y2V ..	0000+2200+2300 S
13876.0	Y2V 65	1400+1700 E
13895.0	Y2V 47	0500+0600 E, 0700 P, 0800+0900 A, 1000+1100 E, 1200+1300 A, 1400+1500 E, 1600+1700 A, 1800+1900 E, 2000 A
13956.0	Y2V 42	1700 E
14799.5	Y2V 24B	0600-0750+1300+1900 F
14800.5	Y2V 24A	0600-1800 E, 1800 P
14825.0	Y2V 25	0800-1300+1600 E
16225.0	Y2V 26	1600 E
16325.0	Y2V 23	0600 E, 0800 A, 1000+1100 E, 1200 A, 1400+1500 E, 1600 A, 1700 E, 2000 A /F, 2000 S
16403.0	Y2V 57	0600-0750+1000-1150+1400-1550
16417.0	Y2V 26	0900-1500 E
17434.5	Y2V 37B	1000-1150+1400-1550 F
17435.5	Y2V 37A	0800+1200+1500+1600+1700 E /E
18700.0	Y2V 44	0900+1100 E, 1200+1300 A, 1400
18822.5	Y2V 38B	1400 F
18823.5	Y2V 38A	1400+1500 E
18929.5	Y2V 38B	1400 F
18930.5	Y2V 38A	1400 E
19460.0	Y2V 48	0600+0900 E
19723.0	Y2V 39	0700+0800+0900 E
20420.0	Y2V 20	0800 A
22885.0	Y2V 28	1200 E

Rügen R

4242.5	Y5M	0130+1030+2100 G
8608.5	Y5M	0130+0200+1030+1330+2100 G
12909.0	Y5M	1030+2100 G
16614.5	Y5M	1300 G
17183.0	Y5M	1330 G

GERMANY (FEDERAL REPUBLIC OF)

DPA Hamburg

110.6	DCF 30	0200+0500-2200 G
18697.5	DFS 70L3	0900-1900 E
20655.7	DFU 65	0800-1800 E

EPD/SID Frankfurt

140.3	DCF 60	0800-2200 G

HAB Hamburg

6418.5	DGF 41	2000 G
22361.0	DFW 36	0900 G

PIAB Bonn

123.7	DCF 42	0545-0745+1345-1445 G
8132.0	DFH 23	0545-0745+1345-1445 G
9141.5	DFJ 27	1500+1600+1700 G
11123.6	DFL 26	1300 G
13926.9	DFN 92	0800+0900+1000+1400 G
13927.7	DFN 92	1400+1500 G
16017.4	DFQ 21L1	1430+1500+1600+2200 G
18702.4	DFS 70	0900+1500 G
18704.3	DFS 70	0730-0930 G
20022.4	DFU 20H3	1500+1600+1700 G
23545.0	DFX 54	0700+0900 G
23692.6	DFX 69	1200+1300 G
23697.6	DFX 69H6	1500+1600+1700 G
25320.6	DFZ 32	1100 G
26441.5	DFZ 64	1100+1200 G

VWD Frankfurt, D

129.1	DCF 45	0500-1800 G

GREECE

Athens R

8462.0	SVU 4	0300 Greek
13095.5	SVU 5	1300+2100 Greek
17208.5	SVT 6	1300 Greek

HONG KONG

AFP Victoria Island

7542.5	ZEN 33	1400 F, 1600+1800+2000+2100 E

XINHUA Victoria Island

9072.0	ZEN 69	1000+1100 E

HUNGARY

MTI Budapest

9114.0	HGG 31	1000+1100+1700 E
10911.0	HGH 29	1615 F
15670.0	HGM 36	1615 E
17468.0	HGO 24	0600 E

INDIA

MEA Delhi

7775.0	ATU 58	1500+1600 E
14785.0	ATP 65	0830-1700 E
18255.0	ATB 68	0830-1500 E

IRAN

IRNA Tehran

7800.0	9BC 22	1500-1730 E /2200 A
7959.0	9BC 23	1500-1730+1900-2030 E, 2030-
8049.0	9BC 25	1730-1900 A, 1900-2030 E, 2030-2200 A
18560.0	9BC 31	1000-1100 E, 1100-1230 A
19200.0	9BC 32	1000-1100 E /1700 E
19980.0	9BC 33	1000-1100 E, 1100-1200 A, 1600+

IRAQ

INA Baghdad

5867.0	YIL 68	1300+1400+1600+1700+2100 A
7565.0	YIX 75	1300-2000 A
10162.5	YIL 71	1300-2000 A
13524.0	YIO 72	1200 F, 1300-2300 E
14373.0	YIL 73	1200 F, 1300-2300 E

ITALY

ANSA Rome

8030.0	IRF 50	0800 E, 0900 F, 1000+1100+1200+ 1300 E, 1400 F, 1500 E, 1600 F, 1800 E
8047.5	IRF 20	1700+1800 E
8062.0	IRF 80	0800 E, 0900 F, 1000+1100+1200+ 1500 E, 1600 F, 1800+1900 E, 2000 F /2000 F
10815.0	IRH 58	1400+1600 F, 1700+1800+1900 E,
12108.0	IRJ 21	0800 E, 0900 F, 1000+1100+1200 E, 1400 F, 1500+1800 E
13487.5	ISX 35	0900 F
14630.5	ISX 46	0800 E, 0900 F, 1100+1200 E, 1400 F, 1500 E, 1600 F, 1800+ 1900 E, 2000 F
15693.5	ISX 56	0800 E, 0900 F, 1100+1200 E, 1400 F, 1500 E, 1600 F
16066.8	IRO 30	1800 E /1400 F, 1500 E, 1600 F
20085.0	ISX 20	0800 E, 0900 F, 1100+1200 E,
20372.0	IRS 23	1500 E, 1600 F
20430.0	IRS 24	0800 E, 0900 F, 1000+1100+1200 E, 1400 F, 1500 E, 1600 F
22892.5	IAR 76	0700 E
22955.0	ISX 22	1500 E, 1600 F /F
24790.0	ISX 24	0900 F, 1100+1200+1500 E, 1600
25271.5	ISX 25	0900 F

IINA Rome

19178.0	IRR 31	0800-1300 E
20187.0	IRS 41	1200-1400 A

JAPAN

DIS Tokyo

13765.0	JAM 33	0900 E

JIJI Tokyo

10200.0	JAE 50	1000+1100+1200 S

KYODO Tokyo

5097.5	JAB 35	0720-0820+0830-0950+1000-1100 E
8175.0	JAE 58	0000-0100+0240-0410+1220-1250 E
10795.0	JAG 50	0250-0320+0440-0600+0610-0630 E
12070.0	JAL 32	0430-0600+0610-0640 E
12275.0	JAL 82	0430-0600+0610-0640+0720-0820+ 1000-1100 E
14547.5	JAL 44	0720-0820+1000-1100 E
17597.5	JAQ 57	0240-0410+0430-0600 E

PL Tokyo

10710.0	JAG 30	1100+1200+1730 S

JORDAN

PETRA Amman

5055.0	JYF 6	1400+1500 A, 1700-1900 E
6830.0		1400+1500 A, 1700-1900 E
9463.0	JYF 4	0400 A, 0800-0900 E, 0900+1000+ 1400+1500 A, 1700 E
14560.0	JYF 2	0800 E, 0900+1000+1100 A

KAMPUCHEA

SPK Phnom Penh

9255.0	´SPK 72´	1000+1100 E, 1200+1400+1900 F
9828.0	´SPK 10´	0800 F, 0900 E, 1000 F

KOREA (DEMOCRATIC PEOPLE´S REPUBLIC OF)

KCNA Pyongyang

7364.0	HMF 88	1800 E
8020.0	HMF 85	1800-2100 E
8152.0	HMF 86	1000 E, 1145+1200 F, 1800 E
9395.0	HMF 84	1245 R, 1500+1600 E, 1800-2100+ 2130-2400 F
10524.0	HMF 45	1145-1445 F
11430.0	HMF 55	1230-1430 R
11432.0	HMF 21	1000-1100 E /2330-2400 F
11475.0	HMF 52	0030-0100 F, 0400+1800+1900 E,
11536.0	HMF 49	0800-1030 E, 1145-1430+1800- 2100 F
12175.0	HMF 42	0400-0730+1830-2100+2130-2300 E
13580.0	HMF 36	0030-0100 F, 0400-0730 E, 1200+ 2330-2400 F
13780.0	HMF 35	0400-0530 E, 0600-0830 R, 1000- 1100 E, 1230-1430 R, 1500 E
14452.0	HMF 57	0800-1030 E, 1215+1300 F
14568.0	HMF 32	0400-0600+1000-1100 E
15633.0	HMF 26	0400-0530 E, 0600-0830 R, 1000- 1100 E, 1230-1430 R

KOREA (REPUBLIC OF)

YONHAP Soul

7868.0	6MK 50	0030+0700 E
11602.5	6MK 64	0030+0700+1200 E

KUWAIT

KUNA Safat

3803.0	9KT 22	0800-2000 E
3807.0	9KT 22	0700-2100 A
5023.0	9KT 24	0800-2000 E
5027.0	9KT 24	0700-2100 A
6858.0	9KT 25	0800-2000 E
6862.0	9KT 25	0700-2100 A
7599.0	9KT 262	0800-2000 E
7603.0	9KT 262	0700-2100 A
7649.0	9KT 263	0800-2000 E
7653.0	9KT 263	0700-2100 A
7697.0	9KT 264	0800-2000 E
7701.0	9KT 264	0700-2100 A
7911.5	9KT 26	0800-2000 E
7915.5	9KT 26	0700-2100 A
9227.0	9KT 27	0800-2000 E
9231.0	9KT 27	0700-2100 A
9313.0	9KT ...	0800-2000 E
9317.0	9KT ...	0700-2100 A
10153.0	9KT 281	0800-2000 E
10157.0	9KT 281	0700-2100 A
11493.0	9KT 282	0800-2000 E
11497.0	9KT 282	0700-2100 A
11574.0	9KT 29	0800-2000 E
11578.0	9KT 29	0700-2100 A
12075.0	9KT 292	0800-2000 E
12079.0	9KT 292	0700-2100 A
12176.0	9KT 291	0800-2000 E
12180.0	9KT 291	0700-2100 A
14418.0	9KT 321	0800-2000 E
14422.0	9KT 321	0700-2100 A
14831.0	9KT 33	0800-2000 E
14835.0	9KT 33	0700-2100 A
15643.0	9KT 331	0800-2000 E
15647.0	9KT 331	0700-2100 A
17623.0	9KT 344	0800-2000 E

17627.0	9KT 344	0700-2100 A
18203.0	9KT 345	0800-2000 E
18207.0	9KT 345	0700-2100 A
18278.0	9KT 351	0800-2000 E
18282.0	9KT 351	0700-2100 A
18293.0	9KT 352	0800-2000 E
18297.0	9KT 352	0700-2100 A
18307.0	9KT 349	0800-2000 E
18311.0	9KT 349	0700-2100 A
18640.5	9KT 356	0800-2000 E
18644.5	9KT 356	0700-2100 A
20627.5	9KT ...	0800-2000 E
20631.5	9KT ...	0700-2100 A

LAOS

KPL Vientiane

10114.0		0800+0900 E
14640.0		0900 E

LIBYA

JANA Tripoli

10518.0		1400+1500+1700+1800 A /1900 E
12186.0		1400+1500+1600 F, 1700+1800+
14573.0		0700-1300+1600+1700 A
15462.0		0800 E, 1700 F, 1800 E
20560.0		1600+1700 E

MONGOLIA

MONTSAME Ulan Bator

10337.0	JTD 29	1600+1700 E

MOROCCO

MAP Rabat

7842.4	CNM 20.1X	1000-1130 F, 1200-1400 E, 1530-1700 F /1530-1700 F
10213.0	CNM 29	1000-1130 F, 1200-1400 E,
10634.1	CNM 37.9X	1000-1130+1530-1700 F
14574.4	CNM 59X9	0900-1030 A, 1200-1400 E, 1530-1700 A /1530-1700 F
14760.0	CNM 61	1000-1130 F, 1200-1400 E,
15752.7	CNM 66X2	1000-1130 F, 1200-1400 E, 1530-1700 F
15999.9	CNM 69.1X	1000-1130 F, 1200-1400 E, 1530-1700 F /1530-1700 F
18220.9	CNM 76X9	1000-1130 F, 1200-1400 E,
18496.1	CNM 80X11	0900-1030 A, 1200-1400 E, 1530-1700 A /1530-1700 F
19171.1	CNM 85X11	1000-1130 F, 1200-1400 E,

VoA Tanger

5460.0		0300 A, 2100-0300 E
6816.1	CNM 11	0000+0200+2300 E
9855.0		2300-0300 E
10972.0		2200-0600 E
12223.5		0100+0200 A, 2200-0100 E
13770.0		0800+0900 E, 1000+1100 F, 1200+ 2200+2300 E /E
19914.9		0800-1000 E, 1000-1200 F, 1200

MOZAMBIQUE

AIM Maputo

15842.5	C9L 629	1500+1600 E

NETHERLANDS

Scheveningen R

4355.0	PCH 26	1715 Dutch
6504.0	PCH 36	1715 Dutch

NEW CALEDONIA

DIPLO Noumea

16106.0	FZM 62	0100-1300 F

NIGERIA

NAN Lagos

10602.5		1500-1900 E

NORWAY

Rogaland R

4351.0	LGW 2	1900 N
4352.5	LGW 3	0700+1500+1700+1900 N
6498.0	LGU 2	0700 N
8707.0	LGB 2	0700+1700+1900 N
12682.5	LFC	0700+1500+1900 N
13081.0	LGJ 3	0700+1700+1900 N
13097.0	LGJ 4	0700+1200+1600+1700+1900 N
17199.5	LGX 2	0700+1700+1900 N
17223.0	LGX 3	0700+1700+1900 N

PHILIPPINES

VoA La Union, Poro Island

11477.0		2300 E
14526.5		0000+0100+0300+0600 E
19792.5		0000-1000 E, 1000+1100 F
20482.5		0000-0700 E

POLAND

PAP Warsaw

5903.0	SOF 290	1600 E
6805.0	SOG 280	0030+1700+2100 E
6848.0	SOG 284	0000 E, 1900 F
7845.0	SOH 284	0030+1700 E
7892.5	SOH 289B	1200+1400+1800 Polish
8192.5	SOI 219	1600 E
9298.0	SOJ 229	0600 E
9391.0	SOJ 239	0700 F, 1800+2000 E
10245.0	SOK 244	1700 E
11423.5	SOL 242B	1200+1400+1800 Polish
11494.0	SOL 249	1100 E, 1200 Polish, 1500 R
11497.0	SOL 349	0000+1400 E
13496.5	SON 249B	1800 Polish
13541.5	SON 254	1200+1400+1800 Polish
13563.6	SON 263	0600 E
13602.4	SON 260B	1200+1400+1800 Polish
14362.0	SOO 236	1200 Polish
15508.5	SOP 250	1700 F
17492.0	SOR 249	0845 R
18648.5	SOT 265B	1800 Polish
18650.0	SOT 265	1700 F
18651.5	SOT 265A	1800 Polish
18993.5	SOT 299B	1200+1400 Polish
20933.5	SOV 293B	1200 Polish
20936.5	SOV 293A	1200 Polish
23405.0	SOY 240B	1400 Polish

ROMANIA

AGERPRES Bucharest

6972.0	YOG 59	1600 F, 1700+1800+1900 E
9797.0	YOJ 27	0900 E, 1000 F
12110.0	YOM 21	1100+1200 E
21807.5	YOV 28	0700+0800 E

SENEGAL

PANA Dakar

16117.0	6VK 317	0800-1800 E/F
19383.0		0900+1000+1100 E, 1500-1900 E/F
20327.5	6VK 221	1500 E/F

SINGAPORE

ANSA Singapore

10408.0	9VF 63	1700 E
16265.0	9VF 206	1700 E
20245.0	9VF 228	0645 E
20910.0	9VF 232	0645 E

JIJI Singapore

16150.0	9VF 205	1330 E
17430.0	9VF 209	1330 E

KYODO Singapore

20960.0	9VF 233	0430-0600+0610-0640+1000-1100 E

SUDAN

SUNA Khartoum

9080.0		1700 A
12120.9		1700 E
15731.0		1000+1415 A, 1600 E, 1700 A
18788.0		1000+1700 E

SWEDEN

Goeteborg R

2423.5	SAB	1700 Swedish
4268.6	SAB 23	0500+1700 Swedish
8556.0	SAB 44	0500+1700 Swedish
12818.0	SAB 63	0500+1700 Swedish
17024.0	SAB 83	0500+1700 Swedish
22356.8	SAB 93	1700 Swedish

SYRIA

SANA Damascus

11080.0		0700-1600 A
15020.0		1600 E

TAIWAN

CNA Taipei

7695.0	3MA 26	0230-0330+0930-1030+1330-1500 E
9090.0	3MA 26	0230-0330+0930-1030+1330-1500 E
10235.0	3MA 99	0230-0330+0930-1030+1330-1500 E
10960.0	3MA 28	0230-0330+0930-1030+1330-1500 E
13563.0	3MA 22	0230-0330+0930-1030+1330-1500 E
16224.0	3MA 35	0230-0330+0930-1030+1330-1500 E

TUNISIA

TAP Tunis

13610.0	3VF 40	1100 A, 1300 F, 1400 A, 1500+ 1600 F
17390.0	3VA 74	1200 A, 1400+1500+1600+1700 F

TURKEY

AA Ankara

8137.5	TCY 1	1330 F, 1400+1500 Turkish
18040.0	TCY 4	0700+0800+0900+1000 E, 1100+ 1200 Turkish, 1300 E, 1345-1600 Turkish

UNION OF SOVIET SOCIALIST REPUBLICS

ANGOP Moscow, RU

7525.0	RBX 56	1900+2000 P
9140.0	RCV 26	1900 F

APN Moscow, RU

10465.0	RKA 74	0700+0800+1000 R
10865.0	RZA 24	0700+0800+1000+1100 R
11575.0	RVL 29	0700+0800 R
11615.0	RGD 27	0800+1000 R
12222.5	RUD 38	0700+0800 F, 0900 A, 1000 F
12285.0	RKU 74	0700-1200 R
13540.0	RRW 71	0400+0500+0600 A /R
14950.0	RWM 79	0400 R, 0500+0600 A, 0700+0800
15630.0	RWM 72	0500+0600+0700+0800 R
15640.0		0500 E, 0600 A
15693.0		0700+0800+0900 F
15720.0	RWM 74	0700 R, 0800 E, 0900 R
15910.0	RGG 43	0700+0800+0900 E
16020.0	RHA 42	0600 A, 0700 F, 0800+0900 A, 1000 F, 1100 A
16040.0	RTT 40	0400-0900 A, 0900+1000 F
16060.0	RFM 27	0600+1300 A
16075.0		0700-1200 E
16085.0	RND 71	0500 R, 0700+0800 E /1000 R
16135.0	RBI 72	0400 A, 0600 R, 0800 P, 0900+
16145.0	RWM 77	0400-1500 E /A
16155.0		0400+0500 A, 0700 E, 0800+0900
16175.0	RGW 27	0700-1200 F
16220.0	RBI 74	0600+0700+0800+0900 A
16250.0	RME 22	0400-1000 E
16300.0	RMD 59	0600 A, 0900+1000+1100+1200 P
17520.0	REM 55	0600+0700+0800 E
18170.0	RIF 33	0500+0600+0700 E, 0900 R
18200.0		0900+1000 F /R
18245.5		0800+0900 F, 1000+1100 E, 1200
18310.0	RDT 57	0400+0500 E, 0600+0700 Indonesian, 0900-1500 P
18440.0	RIF 32	0600+0700+0800 F
18455.0	RWN 71	0600-1000 F, 1000-1500 P
18520.0	RRG 28	0700-1200 F
18635.0	RWN 70	1000 R
18835.0	RWN 74	0400+0500 E
19070.0	RRG 25	0500+0600+0700 E
19127.0	RMC 21	0800 F
19725.0		0700+0900 F
20710.0		0400 R

Klaipeda R, LI

17138.0	URB 2	1000 R

Moscow R, RU

12739.0	UAT	1830 R

12930.0	UAT	0800+1000 R, 1500 F, 1900 R
12980.0	UAT	2300 R
17119.0	UAT	1930 G
17228.0	UAT	1315 G

Novorossiysk R, RU

12660.5	UNQ	2000 R

Odessa R, UK

13087.0	UFB	1045 R

PL Moscow, RU

18600.0	RWN 72	0700+0800 E, 0900+1000 F, 1100-1500 P
19505.0	RCD 36	0700 P, 0800 F, 0900+1000 P, 1100 F, 1200+1300+1400 P

SA/AAMC Moscow, RU

12793.0	RNO	0800 R
17163.0	RNO	0800 R

TASS Moscow, RU

5470.0	RKC 29	0430+0500 E
6870.0	RTV 55	0430+0500 E
8060.0	RAW 71	0430+0500 E
8140.0	RNN 51	0430+0500 E
9140.0	RCV 26	1800 E
9850.0	RED 54	0600+1700+1800 P /A
10105.0	RKA 79	0430+0500 E, 0700 F, 1100+1200
10120.0	RGI 24	0700-1645 F
10165.0	RPT 31	1700 F
10240.0	RGE 34	0600+0700 P, 1400-2100 E
10258.0	RDZ 71	1700+1800 E
10270.0	RKA 25	1300-2200 E
10675.0	REM 51	0700-1900 F
10880.0	REM 50	1600+1700+1800 E
10985.0	RCB 53	0430+0500 E, 1500 P, 1700 A/F, 1800+1900+2000 A, 2100 F
11470.0	RNK 33	1700 E
11495.0	RCT 55	1600 F /1800 A
12085.0	RCB 55	0430+0500+0700+0900+1300 E,
12135.0	RNE 39	1600 F
12250.0	RHA 41	1700 E
12285.0	RKU 74	0430+0500 E, 1700 P, 1900 E
12315.0	RVW 57	0430-1800 E /A
12325.0	RDD 72	0430+0500 E, 0600+1600 F, 2100
13410.0	RIF 38	1215 R
14490.0	RNK 36	0430-1700 E
14510.0	RIC 75	0000+0500-1900 E
14700.0	REB 24	0500-2200 E
14720.0	RKB 58	0600+0700+0800 F, 0900+1100+1200 A, 1300+1400 F, 1500 A, 1600 A/F, 1900 A
14940.0	RIC 71	0700-2000 F
15575.0	REN 30	0500-1400 E /1400+1500+1600 E
15580.0	REM 58	0600+0800+0900 E, 1200+1300 F,
15710.0	RED 52	0600-1645 F
15780.0	RWM 71	0600-1800 E /1900 A
15865.0	RBK 79	0500-0700 A, 0700 A/F, 0800-
15890.0	RBI 79	0600-1900 P
15920.0	RBZ 59	0700 E
15925.0	RPT 32	0400-1300+1700 F
15930.0	RBI 78	0430+0500 E, 0600-1645 F
16050.0	RCE 54	0600-1800 E
16140.0	RGW 28	0600-1700+2100 E
16190.0	RGW 26	0600-1645 F, 1700 A
16250.0	RME 22	1300 Armenian
16260.0	REM 57	0600-1900 F
17360.0	RCF 41	1100+1300+1500+1600+1700 A
17370.0	RBI 73	0600 A
17510.0	RFD 53	0600-1800 F
17570.0	RBX 42	0600-1645 F
17600.0	RIJ 71	1000-1800 P
18050.0	RQV 70	0600 F
18125.0	RND 70	0600-1500 E
18160.0	RTB 25	1600+1700 F
18385.0	RRQ 20	0500-1800 E
18405.0	RCT 57	0600+0700+1600+1700 E
19105.0	RPT 34	0400+0700+1200 F /A
19210.0	RCC 79	0800+1200 A, 1700+1800 F, 2000
19845.0	RWZ 74	0600+0700 E
20795.0	RBX 58	1600 F

UNITED STATES OF AMERICA

Chatham R, MA

6504.5	WCC	0230 E
8715.0	WCC	0045+0145+0230+2200 E
17216.0	WCC	2200 E

Mobile R, AL

6501.5	WLO	0715 E
13078.5	WLO	2145 E
13098.0	WLO	0200+2145 E

USIA New York, NY

14638.0	WFK 54	1500+1600 E, 1700 S, 1800-2300 E
18542.5	WFK 48	1600+1700+1800+1900 E, 2100 S

VoA Greenville, NC

10233.0		2200-0300 E, 0300+0400 A
10234.3		2200-0300 E, 0300+0400 A
10235.8		2200-0300 E, 0300+0400 A
10237.2		2200-0300 E, 0300+0400 A
10380.8		0800+1000+1100 E
10382.2		0800+1000+1100 E /E
18215.0		1600+1700 E, 1800 S, 1900-2300

VIET NAM

VNA Hanoi

8136.5	´HVQ 20´	0000+1000 V, 1100 F, 1130 V
9124.0	´HVQ 8´	0000+0100+1000+1100 V
9330.0	XVN 26	1500 E, 1600 F
10600.0	XVN 37	1400+1500+1600+1700 E, 1800 F
11420.0	´VNA 86´	1100+1200+1300 F, 1330 V, 1500+ 1600+1700+1900 E
13656.0		0530+1130 F, 1400 V, 1430 E
15744.0	XVN 36	0500+0700+0800 E
16383.0	´VNA 30´	1200+1300 F
18264.0	XVN 48	0500+0600+0700 F

YEMEN (PEOPLE´S DEMOCRATIC REPUBLIC OF)

ANA Aden

9965.0	70B 45	1630-1730 A, 1800 E

YUGOSLAVIA

TANJUG Belgrade

5112.0	40C 3	0200+0700-1900 SC
5240.0	40C 2	1700-0400 E
7658.0	YZD	0700-1900+1915+2000+2200-0600 E
7806.0	YZD 7	0000+1700+1800+1915+2200 E
7996.0	YZD 9	0300+1700 E
10278.8	YZA 9	1700+1800 F
11604.0	YZJ 3	0700-1700 E
12212.3	YZO 7	0000+0500+0700-1700 E
13440.0	YZJ 5	0000-0400+1000-1700 E
14632.0	YZC 2	1100-1700 E
15705.0	YZJ 6	0900-1700 F /E, 1400 F
16343.0	YZI 4	0400+0700+0800+0900+1000+1300
17610.0	YZJ 8	1800 S /1700+1800 F
18050.0	YZI	0400+0700+0900+1000 E, 1500+
19865.5	YZJ 4	1400+1500+1600 S
20204.0	YZJ	1200 F, 1300+1400 E

ZAIRE

AZAP Kinshasa

10670.0		1800 F

UNIDENTIFIED STATION

17440.5		1930 I

KANTOR
WILAYAH USAHA TELEKOMUNIKASI KE I
MEDAN

Figure 5 – Kantor Wilayah Usaha Telekomunikasi Ke I Medan
(Province Telecommunication Office in Medan, North Sumatra, Indonesia)

9 RTTY press services in chronological order

Chronological index of news agencies and other stations transmitting regular press bulletins.

Listed are
- time;
- name of the station, and ITU country/geographical symbol;
- language (-s);
- frequency (-ies).

Not listed are
- irregular news broadcasts by diplomatic or military stations;
- harmonic or spurious emissions;
- frequencies which have been monitored with "ry" transmissions only.

Schedules may vary with seasons, weekends - which are on Thursday and Friday in Islamic countries -, propagation conditions, etc.

Press bulletins the exact schedules of which are known are listed under the time of the start of the bulletin and, if the bulletin takes more than one hour, under the full hour(s) following that time.

Other press bulletins are listed under the full hour preceding the monitored reception time and, if the bulletin takes more than one hour, under the full hour(s) following that time.

0000	ADN Berlin, DDR	E	10543.0				
		S	13390.0				
	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7			
	DIPLO Paris, F	F	13998.0				
	DyN Buenos Aires, ARG	S	4549.5	7954.5	11013.0		
	KYODO Tokyo, J	E	8175.0				
	NA Buenos Aires, ARG	S	3840.0	10805.0			
	PAP Warsaw, POL	E	6848.0	11497.0			
	TANJUG Belgrade, YUG	E	5240.0	7658.0	7806.0	12212.3	13440.0
	TASS Moscow, RU, URS	E	14510.0				
	TELAM Buenos Aires, ARG	S	3266.7	4004.5	7428.5	10893.5	13540.0
	VNA Hanoi, VTN	V	8136.5	9124.0			
	VoA Greenville, NC, USA	E	10233.0	10234.3	10235.8	10237.2	
	VoA La Union, Poro I., PHL	E	14526.5	19792.5	20482.5		
	VoA Tanger, MRC	E	5460.0	6816.1	9855.0	10972.0	12223.5
	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	9417.0	14923.0
0030	KCNA Pyongyang, KRE	F	11475.0	13580.0			
	Lyngby R, DNK	Dan.	4355.5	6498.5	13093.5		
	PAP Warsaw, POL	E	6805.0	7845.0			
	YONHAP Soul, KOR	E	7868.0				
0045	Chatham R, MA, USA	E	8715.0				
0100	ADN Berlin, DDR	E	10543.0				
	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7			
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	20078.0				
	DyN Buenos Aires, ARG	S	4549.5	7954.5	11013.0		
	Helsinki R, FNL	Fin.	6497.0				
	NA Buenos Aires, ARG	S	3840.0	10805.0			
	TANJUG Belgrade, YUG	E	5240.0	7658.0	13440.0		
	TELAM Buenos Aires, ARG	S	3266.7	4004.5	7428.5	13540.0	
	VNA Hanoi, VTN	V	9124.0				
	VoA Greenville, NC, USA	E	10233.0	10234.3	10235.8	10237.2	
	VoA La Union, Poro I., PHL	E	14526.5	19792.5	20482.5		
	VoA Tanger, MRC	A	12223.5				
		E	5460.0	9855.0	10972.0		

0100	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	9417.0	9491.0
			11680.0	14923.0			
0130	Rügen R, DDR	G	4242.5	8608.5			
0145	Chatham R, MA, USA	E	8715.0				
0200	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7	10559.3		
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	20078.0				
	DPA Hamburg, D	G	110.6				
	DyN Buenos Aires, ARG	S	4549.5	7954.5	11013.0		
	MENA Cairo, EGY	E	7610.0				
	Mobile R, AL, USA	E	13098.0				
	NA Buenos Aires, ARG	S	10805.0				
	Rügen R, DDR	G	8608.5				
	TANJUG Belgrade, YUG	E	5240.0	7658.0	13440.0		
		SC	5112.0				
	TELAM Buenos Aires, ARG	S	3266.7	4004.5	7428.5	13540.0	
	VoA Greenville, NC, USA	E	10233.0	10234.3	10235.8	10237.2	
	VoA La Union, Poro I., PHL	E	19792.5	20482.5			
	VoA Tanger, MRC	A	12223.5				
		E	5460.0	6816.1	9855.0	10972.0	
	XINHUA Beijing, CHN	E	7520.0	7650.0	9417.0	12265.0	14760.0
			14923.0				
0230	Chatham R, MA, USA	E	6504.5	8715.0			
	CNA Taipei, TAI	E	7695.0	9090.0	10235.0	10960.0	13563.0
			16224.0				
0240	KYODO Tokyo, J	E	8175.0	17597.5			
0250	KYODO Tokyo, J	E	10795.0				
0300	AFP Paris, F	A	5839.6	8022.3	10557.9		
		F	5841.0	8023.7			
	Athens R, GRC	Greek	8462.0				
	CNA Taipei, TAI	E	7695.0	9090.0	10235.0	10960.0	13563.0
			16224.0				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	20078.0				
	DyN Buenos Aires, ARG	S	4549.5	7954.5	11013.0		
	KYODO Tokyo, J	E	8175.0	10795.0	17597.5		
	TANJUG Belgrade, YUG	E	5240.0	7658.0	7996.0	13440.0	
	TELAM Buenos Aires, ARG	S	3266.7	4004.5	13540.0		
	VoA Greenville, NC, USA	A	10233.0	10234.3	10235.8	10237.2	
	VoA La Union, Poro I., PHL	E	14526.5	19792.5	20482.5		
	VoA Tanger, MRC	A	5460.0				
		E	10972.0				
0400	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7	10559.3		
	APN Moscow, RU, URS	A	13540.0	16040.0	16135.0	16155.0	
		E	16145.0	16250.0	18310.0	18835.0	
		R	14950.0	20710.0			
	DIPLO Noumea, NCL	F	16106.0				
	KCNA Pyongyang, KRE	E	11475.0	12175.0	13580.0	13780.0	14568.0
			15633.0				
	KYODO Tokyo, J	E	8175.0	17597.5			
	Oostende R, BEL	Dutch	5376.5				
	PETRA Amman, JOR	A	9463.0				
	TANJUG Belgrade, YUG	E	7658.0	16343.0	18050.0		
	TASS Moscow, RU, URS	F	15925.0	19105.0			
	TELAM Buenos Aires, ARG	S	3266.7	4004.5			
	VoA Greenville, NC, USA	A	10233.0	10234.3	10235.8	10237.2	
	VoA La Union, Poro I., PHL	E	19792.5	20482.5			
	VoA Tanger, MRC	E	10972.0				
0430	KYODO Singapore, SNG	E	20960.0				
	KYODO Tokyo, J	E	12070.0	12275.0	17597.5		

0430	TASS Moscow, RU, URS	E	5470.0	6870.0	8060.0	8140.0	10105.0
			10985.0	12085.0	12285.0	12315.0	12325.0
			14490.0	15930.0			
0440	KYODO Tokyo, J	E	10795.0				
0500	ADN Berlin, DDR	E	13895.0				
	AFP Paris, F	A	8022.3	10557.9			
		F	8023.7	10614.3			
	APN Moscow, RU, URS	A	13540.0	14950.0	16040.0	16155.0	
		E	15640.0	16145.0	16250.0	18170.0	18310.0
			18835.0	19070.0			
		R	15630.0	16085.0			
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9187.5				
	DPA Hamburg, D	G	110.6				
	GNA Manama, BHR	A	9197.5	14764.0			
	Goeteborg R, S	Swed.	4268.6	8556.0	12818.0	17024.0	
	KCNA Pyongyang, KRE	E	12175.0	13580.0	13780.0	14568.0	15633.0
	KYODO Singapore, SNG	E	20960.0				
	KYODO Tokyo, J	E	10795.0	12070.0	12275.0	17597.5	
	TANJUG Belgrade, YUG	E	7658.0	12212.3			
	TASS Moscow, RU, URS	A	15865.0				
		E	5470.0	6870.0	8060.0	8140.0	10105.0
			10985.0	12085.0	12285.0	12315.0	12325.0
			14490.0	14510.0	14700.0	15575.0	15930.0
			18385.0				
		F	15925.0				
	TELAM Buenos Aires, ARG	S	7428.5				
	VNA Hanoi, VTN	E	15744.0				
		F	18264.0				
	VoA La Union, Poro I., PHL	E	19792.5	20482.5			
	VoA Tanger, MRC	E	10972.0				
	VWD Frankfurt, D	G	129.1				
0530	VNA Hanoi, VTN	F	13656.0				
0545	PIAB Bonn, D	G	123.7	8132.0			
0600	ADN Berlin, DDR	E	13895.0	14800.5	16325.0	19460.0	
		F	14799.5	16403.0			
	AFP Paris, F	A	8022.3	14794.3			
		F	10614.3	14795.7			
	APN Moscow, RU, URS	A	13540.0	14950.0	15640.0	16020.0	16040.0
			16060.0	16220.0	16300.0		
		E	16145.0	16250.0	17520.0	18170.0	19070.0
		F	18440.0	18455.0			
		Indon.	18310.0				
		R	15630.0	16135.0			
	CETEKA Prague, TCH	E	17525.0				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9187.5	20078.0			
	DPA Hamburg, D	G	110.6				
	GNA Manama, BHR	A	9197.5	14764.0			
	KCNA Pyongyang, KRE	E	12175.0				
		R	13780.0	15633.0			
	MENA Cairo, EGY	A	5220.0	10150.0	15845.0		
		E	7610.0				
		F	13653.0				
	MTI Budapest, HNG	E	17468.0				
	PAP Warsaw, POL	E	9298.0	13563.6			
	PIAB Bonn, D	G	123.7	8132.0			
	PL Habana, CUB	E	14901.0				
	TASS Moscow, RU, URS	A	15865.0	17370.0			
		E	12315.0	14490.0	14510.0	14700.0	15575.0
			15580.0	15780.0	16050.0	16140.0	18125.0
			18385.0	18405.0	19845.0		

0600	TASS Moscow, RU, URS	F	12325.0	14720.0	15710.0	15925.0	15930.0
	(continued)		16190.0	16260.0	17510.0	17570.0	18050.0
		P	9850.0	10240.0	15890.0		
	VNA Hanoi, VTN	F	18264.0				
	VoA La Union, Poro I., PHL	E	14526.5	19792.5	20482.5		
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	10982.0	14367.0	17214.0	18872.0	
0610	KYODO Singapore, SNG	E	20960.0				
	KYODO Tokyo, J	E	10795.0	12070.0	12275.0		
0645	ADN Berlin, DDR	P	10784.5				
	ANSA Singapore, SNG	E	20245.0	20910.0			
0700	AA Ankara, TUR	E	18040.0				
	ADN Berlin, DDR	E	10543.0	14800.5	19723.0		
		F	14799.5	16403.0			
		P	13895.0				
	AFP Paris, F	A	14794.3				
		E	15977.0	20311.8			
		F	14795.7	15978.4	20313.2		
	AGERPRES Bucharest, ROU	E	21807.5				
	ANSA Rome, I	E	22892.5				
	APN Moscow, RU, URS	A	16040.0	16220.0			
		E	15910.0	16075.0	16085.0	16145.0	16155.0
			16250.0	17520.0	18170.0	19070.0	
		F	12222.5	15693.0	16020.0	16175.0	18440.0
			18455.0	18520.0	19725.0		
		Indon.	18310.0				
		R	10465.0	10865.0	11575.0	12285.0	14950.0
			15630.0	15720.0			
	APS El Djaza´ir, ALG	A	14932.0				
	ATA Tirana, ALB	E	9133.0				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9187.5				
	DPA Hamburg, D	G	110.6				
	GNA Manama, BHR	A	9197.5	14764.0			
	JANA Tripoli, LBY	A	14573.0				
	KCNA Pyongyang, KRE	E	12175.0	13580.0			
		R	13780.0	15633.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
	MENA Cairo, EGY	A	10150.0	15845.0			
	PAP Warsaw, POL	F	9391.0				
	PIAB Bonn, D	G	123.7	8132.0	23545.0		
	PL Moscow, RU, URS	E	18600.0				
		P	19505.0				
	Rogaland R, NOR	N	4352.5	6498.0	8707.0	12682.5	13081.0
			13097.0	17199.5	17223.0		
	SANA Damascus, SYR	A	11080.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	16343.0	18050.0
		SC	5112.0				
	TASS Moscow, RU, URS	A/F	15865.0				
		E	12085.0	12315.0	14490.0	14510.0	14700.0
			15575.0	15780.0	15920.0	16050.0	16140.0
			18125.0	18385.0	18405.0	19845.0	
		F	10105.0	10120.0	10675.0	14720.0	14940.0
			15710.0	15925.0	15930.0	16190.0	16260.0
			17510.0	17570.0	19105.0		
		P	10240.0	15890.0			
	VNA Hanoi, VTN	E	15744.0				
		F	18264.0				

0700	VoA La Union, Poro I., PHL	E	19792.5				
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	10982.0	14367.0	14927.0	17470.0	18872.0
		F	17443.0				
	YONHAP Soul, KOR	E	7868.0	11602.5			
0710	CETEKA Prague, TCH	E	18985.0				
0715	Mobile R, AL, USA	E	6501.5				
0720	KYODO Tokyo, J	E	5097.5	12275.0	14547.5		
0730	PIAB Bonn, D	G	18704.3				
0800	AA Ankara, TUR	E	18040.0				
	ADN Berlin, DDR	A	13895.0	16325.0	20420.0		
		E	10543.0	14800.5	14825.0	17435.5	19723.0
	AFP Paris, F	A	14794.3				
		E	15977.0	20311.8			
		F	14795.7	15978.4	20313.2		
	AGERPRES Bucharest, ROU	E	21807.5				
	ANSA Rome, I	E	8030.0	8062.0	12108.0	14630.5	15693.5
			20085.0	20430.0			
	APN Moscow, RU, URS	A	16020.0	16040.0	16155.0	16220.0	
		E	15720.0	15910.0	16075.0	16085.0	16145.0
			16250.0	17520.0			
		F	12222.5	15693.0	16175.0	18245.5	18440.0
			18455.0	18520.0	19127.0		
		P	16135.0				
		R	10465.0	10865.0	11575.0	11615.0	12285.0
			14950.0	15630.0			
	APS El Djaza´ir, ALG	A	14932.0				
	ATA Tirana, ALB	F	9430.0				
	BTA Sofia, BUL	E	11502.0				
	CETEKA Prague, TCH	E	18985.0				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9788.0				
	DPA Hamburg, D	E	20655.7				
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	E	19178.0				
	JANA Tripoli, LBY	A	14573.0				
		E	15462.0				
	KCNA Pyongyang, KRE	E	11536.0	14452.0			
		R	13780.0	15633.0			
	KPL Vientiane, LAO	E	10114.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	KYODO Tokyo, J	E	5097.5	12275.0	14547.5		
	MENA Cairo, EGY	A	10150.0	15845.0			
		F	13653.0				
	Moscow R, RU, URS	R	12930.0				
	PANA Dakar, SEN	E/F	16117.0				
	PETRA Amman, JOR	E	9463.0	14560.0			
	PIAB Bonn, D	G	13926.9	18704.3			
	PL Habana, CUB	E	8140.0	13826.5			
	PL Moscow, RU, URS	E	18600.0				
		F	19505.0				

0800	SA/AAMC Moscow, RU, URS	R	12793.0	17163.0			
	SANA Damascus, SYR	A	11080.0				
	SPK Phnom Penh, KMP	F	9828.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	16343.0	
		SC	5112.0				
	TASS Moscow, RU, URS	A	15865.0	19210.0			
		E	12315.0	14490.0	14510.0	14700.0	15575.0
			15580.0	15780.0	16050.0	16140.0	18125.0
			18385.0				
		F	10120.0	10675.0	14720.0	14940.0	15710.0
			15925.0	15930.0	16190.0	16260.0	17510.0
			17570.0				
		P	15890.0				
	VNA Hanoi, VTN	E	15744.0				
	VoA Greenville, NC, USA	E	10380.8	10382.2			
	VoA La Union, Poro I., PHL	E	19792.5				
	VoA Tanger, MRC	E	13770.0	19914.9			
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	10982.0	14367.0	14760.0	17470.0	18872.0
		F	17443.0				
0830	KYODO Tokyo, J	E	5097.5				
	Lyngby R, DNK	Dan.	4355.5	13093.5	17212.5		
	MEA Delhi, IND	E	14785.0	18255.0			
	XINHUA Beijing, CHN	R	14376.0				
0845	PAP Warsaw, POL	R	17492.0				
0850	CETEKA Prague, TCH	E	18985.0				
0900	AA Ankara, TUR	E	18040.0				
	ADN Berlin, DDR	A	13895.0				
		E	10543.0	14800.5	14825.0	16417.0	18700.0
			19460.0	19723.0			
	AFP Paris, F	A	14794.3				
		E	15977.0	18670.7	20311.8		
		F	14795.7	15978.4	18669.3	20313.2	
	AGERPRES Bucharest, ROU	E	9797.0				
	ANSA Rome, I	F	8030.0	8062.0	12108.0	13487.5	14630.5
			15693.5	20085.0	20430.0	24790.0	
	APN Moscow, RU, URS	A	12222.5	16020.0	16155.0	16220.0	
		E	15910.0	16075.0	16145.0	16250.0	
		F	15693.0	16040.0	16175.0	18200.0	18245.5
			18455.0	18520.0	19725.0		
		P	16300.0	18310.0			
		R	12285.0	15720.0	16135.0	18170.0	
	APS El Djaza´ir, ALG	A	14932.0				
	ATA Tirana, ALB	E	9133.0				
		F	9430.0				
	CETEKA Prague, TCH	E	18985.0				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	20078.0	20315.0
			22915.0				
	DIS Tokyo, J	E	13765.0				
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	HAB Hamburg, D	G	22361.0				
	IINA Rome, I	E	19178.0				
	JANA Tripoli, LBY	A	14573.0				
	KCNA Pyongyang, KRE	E	11536.0	14452.0			
	KPL Vientiane, LAO	E	10114.0	14640.0			

0900	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	KYODO Tokyo, J	E	5097.5				
	MAP Rabat, MRC	A	14574.4	18496.1			
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	10150.0	15845.0			
		E	13653.0				
	PANA Dakar, SEN	E	19383.0				
		E/F	16117.0				
	PETRA Amman, JOR	A	9463.0	14560.0			
	PIAB Bonn, D	G	13926.9	18702.4	18704.3	23545.0	
	PL Habana, CUB	E	8140.0				
	PL Moscow, RU, URS	F	18600.0				
		P	19505.0				
	SANA Damascus, SYR	A	11080.0				
	SPK Phnom Penh, KMP	E	9828.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	16343.0	18050.0
		F	15705.0				
		SC	5112.0				
	TASS Moscow, RU, URS	A	14720.0	15865.0			
		E	12085.0	12315.0	14490.0	14510.0	14700.0
			15575.0	15580.0	15780.0	16050.0	16140.0
			18125.0	18385.0			
		F	10120.0	10675.0	14940.0	15710.0	15925.0
			15930.0	16190.0	16260.0	17510.0	17570.0
		P	15890.0				
	TELAM Buenos Aires, ARG	S	4004.5	10893.5			
	VoA La Union, Poro I., PHL	E	19792.5				
	VoA Tanger, MRC	E	13770.0	19914.9			
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	6915.0	14367.0	16136.0	17470.0	18872.0
		F	17443.0				
		R	14376.0				
0930	CNA Taipei, TAI	E	7695.0	9090.0	10235.0	10960.0	13563.0
			16224.0				
1000	AA Ankara, TUR	E	18040.0				
	ADN Berlin, DDR	E	10543.0	12251.0	13895.0	14800.5	14825.0
			16325.0	16417.0			
		F	16403.0	17434.5			
	AFP Paris, F	A	14794.3				
		E	15977.0	18670.7	20311.8		
		F	14795.7	15978.4	18669.3	20313.2	
	AGERPRES Bucharest, ROU	F	9797.0				
	ANSA Rome, I	E	8030.0	8062.0	12108.0	20430.0	
	APN Moscow, RU, URS	E	16075.0	16145.0	18245.5		
		F	12222.5	16020.0	16040.0	16175.0	18200.0
			18520.0				
		P	16300.0	18310.0	18455.0		
		R	10465.0	10865.0	11615.0	12285.0	16135.0
			18635.0				
	APS El Djaza´ir, ALG	E	15480.0				
	ATA Tirana, ALB	E	9133.0				
		F	9430.0				

1000	CNA Taipei, TAI	E	7695.0	9090.0	10235.0	10960.0	13563.0
			16224.0				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	20078.0	20315.0
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	E	19178.0				
	IRNA Tehran, IRN	E	18560.0	19200.0	19980.0		
	JANA Tripoli, LBY	A	14573.0				
	JIJI Tokyo, J	S	10200.0				
	KCNA Pyongyang, KRE	E	8152.0	11432.0	11536.0	13780.0	14452.0
			14568.0	15633.0			
	Klaipeda R, LI, URS	R	17138.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	KYODO Singapore, SNG	E	20960.0				
	KYODO Tokyo, J	E	5097.5	12275.0	14547.5		
	MAP Rabat, MRC	A	14574.4	18496.1			
		F	7842.4	10213.0	10634.1	14760.0	15752.7
			15999.9	18220.9	19171.1		
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	10150.0	15845.0			
	Moscow R, RU, URS	R	12930.0				
	MTI Budapest, HNG	E	9114.0				
	NA Buenos Aires, ARG	S	10805.0				
	PANA Dakar, SEN	E	19383.0				
		E/F	16117.0				
	PETRA Amman, JOR	A	9463.0	14560.0			
	PIAB Bonn, D	G	13926.9				
	PL Moscow, RU, URS	F	18600.0				
		P	19505.0				
	SANA Damascus, SYR	A	11080.0				
	SPK Phnom Penh, KMP	E	9255.0				
		F	9828.0				
	SUNA Khartoum, SDN	A	15731.0				
		E	18788.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	13440.0	16343.0
			18050.0				
		F	15705.0				
		SC	5112.0				
	TASS Moscow, RU, URS	A	15865.0				
		E	12315.0	14490.0	14510.0	14700.0	15575.0
			15780.0	16050.0	16140.0	18125.0	18385.0
		F	10120.0	10675.0	14940.0	15710.0	15925.0
			15930.0	16190.0	16260.0	17510.0	17570.0
		P	15890.0	17600.0			
	TELAM Buenos Aires, ARG	S	7428.5				
	VNA Hanoi, VTN	V	8136.5	9124.0			
	VoA Greenville, NC, USA	E	10380.8	10382.2			
	VoA La Union, Poro I., PHL	F	19792.5				
	VoA Tanger, MRC	F	13770.0	19914.9			
	VWD Frankfurt, D	G	129.1				

1000	XINHUA Beijing, CHN	E	14367.0	14760.0	16136.0	17470.0	18872.0
		F	17443.0				
	XINHUA Victoria I., HKG	E	9072.0				
1010	CETEKA Prague, TCH	F	13647.5				
1030	Rügen R, DDR	G	4242.5	8608.5	12909.0		
1045	Odessa R, UK, URS	R	13087.0				
1100	AA Ankara, TUR	Turk.	18040.0				
	ADN Berlin, DDR	E	10543.0	13895.0	14800.5	14825.0	16325.0
			16417.0	18700.0			
		F	16403.0	17434.5			
	AFP Paris, F	A	14794.3				
		E	15977.0	18670.7	20311.8		
		F	14795.7	15978.4	18669.3	20313.2	
	AGERPRES Bucharest, ROU	E	12110.0				
	ANSA Rome, I	E	8030.0	8062.0	12108.0	14630.5	15693.5
			20085.0	20430.0	24790.0		
	APN Moscow, RU, URS	A	16020.0				
		E	16075.0	16145.0	18245.5		
		F	16175.0	18520.0			
		P	16300.0	18310.0	18455.0		
		R	10865.0	12285.0			
	APS El Djaza'ir, ALG	E	14932.0	15480.0			
	ATA Tirana, ALB	E	9430.0				
		F	7850.0				
	CETEKA Prague, TCH	F	13647.5				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	20078.0	20315.0
			22915.0				
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	DyN Buenos Aires, ARG	S	7954.5				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	Helsinki R, FNL	Fin.	17427.5				
	IINA Rome, I	E	19178.0				
	IRNA Tehran, IRN	A	18560.0	19980.0			
	JANA Tripoli, LBY	A	14573.0				
	JIJI Tokyo, J	S	10200.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MAP Rabat, MRC	F	7842.4	10213.0	10634.1	14760.0	15752.7
			15999.9	18220.9	19171.1		
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	10150.0	15845.0			
		F	15935.0				
	MTI Budapest, HNG	E	9114.0				
	PANA Dakar, SEN	E	19383.0				
		E/F	16117.0				
	PAP Warsaw, POL	E	11494.0				
	PETRA Amman, JOR	A	14560.0				
	PIAB Bonn, D	G	25320.6	26441.5			
	PL Moscow, RU, URS	F	19505.0				
		P	18600.0				
	PL Tokyo, J	S	10710.0				

1100	SANA Damascus, SYR	A	11080.0				
	SPK Phnom Penh, KMP	E	9255.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	13440.0	14632.0
		F	15705.0				
		SC	5112.0				
	TAP Tunis, TUN	A	13610.0				
	TASS Moscow, RU, URS	A	10105.0	14720.0	15865.0	17360.0	
		E	12315.0	14490.0	14510.0	14700.0	15575.0
			15780.0	16050.0	16140.0	18125.0	18385.0
		F	10120.0	10675.0	14940.0	15710.0	15925.0
			15930.0	16190.0	16260.0	17510.0	17570.0
		P	15890.0	17600.0			
	TELAM Buenos Aires, ARG	S	10893.5				
	VNA Hanoi, VTN	F	8136.5	11420.0			
		V	9124.0				
	VoA Greenville, NC, USA	E	10380.8	10382.2			
	VoA La Union, Poro I., PHL	F	19792.5				
	VoA Tanger, MRC	F	13770.0	19914.9			
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	6915.0	14367.0	16136.0	17470.0	18872.0
		F	17443.0				
	XINHUA Victoria I., HKG	E	9072.0				
1130	CETEKA Prague, TCH	E	17525.0				
	VNA Hanoi, VTN	F	13656.0				
		V	8136.5				
1145	KCNA Pyongyang, KRE	F	8152.0	10524.0	11536.0		
1200	AA Ankara, TUR	Turk.	18040.0				
	ADN Berlin, DDR	A	13895.0	16325.0	18700.0		
		E	10543.0	14800.5	14825.0	16417.0	17435.5
			22885.0				
	AFP Paris, F	A	14794.3				
		E	15977.0	18670.7	20311.8		
		F	8023.7	14795.7	15978.4	18669.3	20313.2
	AGERPRES Bucharest, ROU	E	12110.0				
	ANSA Rome, I	E	8030.0	8062.0	12108.0	14630.5	15693.5
			20085.0	20430.0	24790.0		
	APN Moscow, RU, URS	E	16145.0				
		P	16300.0	18310.0	18455.0		
		R	18245.5				
	APS El Djaza´ir, ALG	F	14932.0	15480.0			
	ATA Tirana, ALB	F	7850.0				
	BTA Sofia, BUL	E	11110.0	13400.0	15555.0		
	CETEKA Prague, TCH	E	17525.0				
	DIPLO Noumea, NCL	F	16106.0				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	18785.0	20078.0
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	A	20187.0				
		E	19178.0				
	INA Baghdad, IRQ	F	13524.0	14373.0			
	IRNA Tehran, IRN	A	18560.0				
	JANA Tripoli, LBY	A	14573.0				
	JIJI Tokyo, J	S	10200.0				
	KCNA Pyongyang, KRE	F	8152.0	10524.0	11536.0	13580.0	
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	

1200	KUNA Safat, KWT (continued)	E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MAP Rabat, MRC	E	7842.4	10213.0	14574.4	14760.0	15752.7
			15999.9	18220.9	18496.1	19171.1	
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	10150.0	15845.0			
		E	15935.0				
		F	13653.0				
	NA Buenos Aires, ARG	S	10805.0				
	PANA Dakar, SEN	E/F	16117.0				
	PAP Warsaw, POL	Pol.	7892.5	11423.5	11494.0	13541.5	13602.4
			14362.0	18993.5	20933.5	20936.5	
	PIAB Bonn, D	G	23692.6	26441.5			
	PL Habana, CUB	E	14901.0	16348.0			
	PL Moscow, RU, URS	P	18600.0	19505.0			
	PL Tokyo, J	S	10710.0				
	Rogaland R, NOR	N	13097.0				
	SANA Damascus, SYR	A	11080.0				
	SPK Phnom Penh, KMP	F	9255.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	13440.0	14632.0
		F	15705.0	20204.0			
		SC	5112.0				
	TAP Tunis, TUN	A	17390.0				
	TASS Moscow, RU, URS	A	10105.0	14720.0	15865.0	19210.0	
		E	12315.0	14490.0	14510.0	14700.0	15575.0
			15780.0	16050.0	16140.0	18125.0	18385.0
		F	10120.0	10675.0	14940.0	15580.0	15710.0
			15925.0	15930.0	16190.0	16260.0	17510.0
			17570.0	19105.0			
		P	15890.0	17600.0			
	VNA Hanoi, VTN	F	11420.0	16383.0			
	VoA Tanger, MRC	E	13770.0	19914.9			
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	14367.0	14760.0	16136.0	17214.0	18872.0
		F	17443.0				
	YONHAP Soul, KOR	E	11602.5				
1215	KCNA Pyongyang, KRE	F	14452.0				
	TASS Moscow, RU, URS	R	13410.0				
1220	KYODO Tokyo, J	E	8175.0				
1230	CETEKA Prague, TCH	E	13647.5				
	KCNA Pyongyang, KRE	R	11430.0	13780.0	15633.0		
1245	KCNA Pyongyang, KRE	R	9395.0				
1300	AA Ankara, TUR	E	18040.0				
	ADN Berlin, DDR	A	13895.0	18700.0			
		E	10543.0	14800.5	16417.0		
		F	14799.5				
	AFP Paris, F	A	14794.3				
		E	15977.0	18670.7	20311.8		
		F	14795.7	15978.4	18669.3	20313.2	
	ANSA Rome, I	E	8030.0				
	APN Moscow, RU, URS	A	16060.0				
		E	16145.0				
		P	18310.0	18455.0			
	APS El Djaza´ir, ALG	E	14932.0	15480.0			
	Athens R, GRC	Greek	13095.5	17208.5			
	BTA Sofia, BUL	E	11110.0	13400.0	15555.0		
	CETEKA Prague, TCH	E	13647.5				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	18785.0	20078.0

1300	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	A	20187.0				
	INA Baghdad, IRQ	A	5867.0	7565.0	10162.5		
		E	13524.0	14373.0			
	KCNA Pyongyang, KRE	F	10524.0	11536.0	14452.0		
		R	11430.0	13780.0	15633.0		
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MAP Rabat, MRC	E	7842.4	10213.0	14574.4	14760.0	15752.7
			15999.9	18220.9	18496.1	19171.1	
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	10150.0	15845.0			
		F	15935.0				
	PANA Dakar, SEN	E/F	16117.0				
	PIAB Bonn, D	G	11123.6	23692.6			
	PL Habana, CUB	E	14901.0	16348.0			
	PL Moscow, RU, URS	P	18600.0	19505.0			
	Rügen R, DDR	G	16614.5				
	SANA Damascus, SYR	A	11080.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	13440.0	14632.0
			16343.0	20204.0			
		F	15705.0				
		SC	5112.0				
	TAP Tunis, TUN	F	13610.0				
	TASS Moscow, RU, URS	A	15865.0	17360.0			
		Arm.	16250.0				
		E	10270.0	12085.0	12315.0	14490.0	14510.0
			14700.0	15575.0	15780.0	16050.0	16140.0
			18125.0	18385.0			
		F	10120.0	10675.0	14720.0	14940.0	15580.0
			15710.0	15930.0	16190.0	16260.0	17510.0
			17570.0				
		P	15890.0	17600.0			
	VNA Hanoi, VTN	F	11420.0	16383.0			
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	14367.0	14760.0	16136.0	18872.0	
1315	Moscow R, RU, URS	G	17228.0				
1330	AA Ankara, TUR	F	8137.5				
	BTA Sofia, BUL	E	11502.0				
	CNA Taipei, TAI	E	7695.0	9090.0	10235.0	10960.0	13563.0
			16224.0				
	JIJI Singapore, SNG	E	16150.0	17430.0			
	Rügen R, DDR	G	8608.5	17183.0			
	VNA Hanoi, VTN	V	11420.0				
1345	AA Ankara, TUR	Turk.	18040.0				
	PIAB Bonn, D	G	123.7	8132.0			
1400	AA Ankara, TUR	Turk.	8137.5	18040.0			
	ADN Berlin, DDR	E	10543.0	13876.0	13895.0	14800.5	16325.0
			16417.0	18700.0	18823.5	18930.5	
		F	10919.5	16403.0	17434.5	18822.5	18929.5

1400	AFP Paris, F	A	14794.3				
		E	15977.0	18670.7	20311.8		
		F	14795.7	15978.4	18669.3	20313.2	
	AFP Victoria Island, HKG	F	7542.5				
	ANSA Rome, I	F	8030.0	10815.0	12108.0	14630.5	15693.5
			20085.0	20430.0			
	APN Moscow, RU, URS	E	16145.0				
		P	18310.0	18455.0			
	APS El Djaza'ir, ALG	A	14932.0				
		E	15480.0				
	ATA Tirana, ALB	F	10435.0				
	CETEKA Prague, TCH	E	15897.5				
	CNA Taipei, TAI	E	7695.0	9090.0	10235.0	10960.0	13563.0
			16224.0				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	18785.0	20078.0
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	INA Baghdad, IRQ	A	5867.0	7565.0	10162.5		
		E	13524.0	14373.0			
	JANA Tripoli, LBY	A	10518.0				
		F	12186.0				
	KCNA Pyongyang, KRE	F	10524.0	11536.0			
		R	11430.0	13780.0	15633.0		
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	5220.0	10150.0	15845.0		
		F	15935.0				
	PANA Dakar, SEN	E/F	16117.0				
	PAP Warsaw, POL	E	11497.0				
		Pol.	7892.5	11423.5	13541.5	13602.4	18993.5
			23405.0				
	PETRA Amman, JOR	A	5055.0	6830.0	9463.0		
	PIAB Bonn, D	G	123.7	8132.0	13926.9	13927.7	
	PL Habana, CUB	E	14901.0	16348.0			
	PL Moscow, RU, URS	P	18600.0	19505.0			
	SANA Damascus, SYR	A	11080.0				
	SPK Phnom Penh, KMP	F	9255.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	13440.0	14632.0
			20204.0				
		F	15705.0	16343.0			
		S	19865.5				
		SC	5112.0				
	TAP Tunis, TUN	A	13610.0				
		F	17390.0				
	TASS Moscow, RU, URS	A	15865.0				
		E	10240.0	10270.0	12315.0	14490.0	14510.0
			14700.0	15580.0	15780.0	16050.0	16140.0
			18125.0	18385.0			
		F	10120.0	10675.0	14720.0	14940.0	15710.0
			15930.0	16190.0	16260.0	17510.0	17570.0
		P	15890.0	17600.0			

1400	VNA Hanoi, VTN	E	10600.0				
		V	13656.0				
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	6915.0	7520.0	7650.0	9417.0	11680.0
			12265.0	14367.0	14760.0	16136.0	18872.0
		F	11133.0				
1415	SUNA Khartoum, SDN	A	15731.0				
1430	PIAB Bonn, D	G	16017.4				
	VNA Hanoi, VTN	E	13656.0				
1500	AA Ankara, TUR	Turk.	8137.5	18040.0			
	ADN Berlin, DDR	E	9053.0	10543.0	10920.5	13895.0	14800.5
			13895.0	14800.5	16325.0	17435.5	18823.5
		F	16403.0	17434.5			
	AFP Paris, F	A	14794.3				
		E	15977.0	18670.7	20311.8		
		F	14795.7	15978.4	18669.3	20313.2	
	AIM Maputo, MOZ	E	15842.5				
	ANSA Rome, I	E	8030.0	8062.0	12108.0	14630.5	15693.5
			20085.0	20372.0	20430.0	22955.0	24790.0
	APS El Djaza´ir, ALG	S	14932.0	15480.0			
	ATA Tirana, ALB	E	9430.0				
		F	10435.0				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	18785.0	20078.0
			22915.0				
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	DyN Buenos Aires, ARG	S	11013.0				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	4042.5	14764.0			
	INA Baghdad, IRQ	A	7565.0	10162.5			
		E	13524.0	14373.0			
	IRNA Tehran, IRN	E	7800.0	7959.0			
	JANA Tripoli, LBY	A	10518.0				
		F	12186.0				
	KCNA Pyongyang, KRE	E	9395.0	13780.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MEA Delhi, IND	E	7775.0	14785.0			
	MENA Cairo, EGY	A	3571.0	5220.0	7756.0	10150.0	15845.0
		F	13653.0				
	Moscow R, RU, URS	F	12930.0				
	NAN Lagos, NIG	E	10602.5				
	PANA Dakar, SEN	E/F	16117.0	19383.0	20327.5		
	PAP Warsaw, POL	R	11494.0				
	PETRA Amman, JOR	A	5055.0	6830.0	9463.0		
	PIAB Bonn, D	G	9141.5	13927.7	16017.4	18702.4	20022.4
			23697.6				
	PL Habana, CUB	E	14901.0	16348.0			
	Rogaland R, NOR	N	4352.5	12682.5			
	SANA Damascus, SYR	A	11080.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	13440.0	14632.0
		F	15705.0	18050.0			
		S	19865.5				
		SC	5112.0				

1500	TAP Tunis, TUN	F	13610.0	17390.0			
	TASS Moscow, RU, URS	A	14720.0	15865.0	17360.0		
		E	10240.0	10270.0	12315.0	14490.0	14510.0
			14700.0	15580.0	15780.0	16050.0	16140.0
			18385.0				
		F	10120.0	10675.0	14940.0	15710.0	15930.0
			16190.0	16260.0	17510.0	17570.0	
		P	10985.0	15890.0	17600.0		
	TELAM Buenos Aires, ARG	S	13540.0				
	USIA New York, NY, USA	E	14638.0				
	VNA Hanoi, VTN	E	9330.0	10600.0	11420.0		
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	6915.0	9417.0	11680.0	12265.0	14367.0
			14760.0	14938.0			
		F	7923.0	11133.0			
1510	CETEKA Prague, TCH	F	13647.5				
1530	Lyngby R, DNK	Dan.	13084.0	13093.5			
	MAP Rabat, MRC	A	14574.4	18496.1			
		F	7842.4	10213.0	10634.1	14760.0	15752.7
			15999.9	18220.9	19171.1		
1600	ADN Berlin, DDR	A	10919.5	13895.0	16325.0		
		E	10543.0	10920.5	14800.5	14825.0	16225.0
			17435.5				
	AFP Paris, F	A	8022.3	10557.9	14794.3		
		E	15977.0	18670.7	20311.8		
		F	8023.7	10559.3	14795.7	15978.4	18669.3
			20313.2				
	AFP Victoria Island, HKG	E	7542.5				
	AGERPRES Bucharest, ROU	F	6972.0				
	AIM Maputo, MOZ	E	15842.5				
	ANSA Rome, I	F	8030.0	8062.0	10815.0	14630.5	15693.5
			20085.0	20372.0	20430.0	22955.0	24790.0
	APS El Djaza´ir, ALG	A	14932.0	15480.0			
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	18785.0	20078.0
			22915.0				
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	4042.5	14764.0			
	INA Baghdad, IRQ	A	5867.0	7565.0	10162.5		
		E	13524.0	14373.0			
	IRNA Tehran, IRN	E	7800.0	7959.0	19980.0		
	JANA Tripoli, LBY	A	14573.0				
		E	20560.0				
		F	12186.0				
	KCNA Pyongyang, KRE	E	9395.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MAP Rabat, MRC	A	14574.4	18496.1			
		F	7842.4	10213.0	10634.1	14760.0	15752.7
			15999.9	18220.9	19171.1		
	MEA Delhi, IND	E	7775.0	14785.0			
	MENA Cairo, EGY	A	3571.0	5220.0	7756.0	10150.0	15845.0
		E	7610.0				

1600	MONTSAME Ulan Bator, MNG	E	10337.0				
	NAN Lagos, NIG	E	10602.5				
	PANA Dakar, SEN	E/F	16117.0	19383.0			
	PAP Warsaw, POL	E	5903.0	8192.5			
	PIAB Bonn, D	G	9141.5	16017.4	20022.4	23697.6	
	PL Habana, CUB	E	14901.0	16348.0			
	Rogaland R, NOR	N	13097.0				
	SANA Damascus, SYR	E	15020.0				
	SUNA Khartoum, SDN	E	15731.0				
	TANJUG Belgrade, YUG	E	7658.0	11604.0	12212.3	13440.0	14632.0
		F	15705.0				
		S	19865.5				
		SC	5112.0				
	TAP Tunis, TUN	F	13610.0	17390.0			
	TASS Moscow, RU, URS	A	15865.0	17360.0			
		A/F	14720.0				
		E	10240.0	10270.0	10880.0	12315.0	14490.0
			14510.0	14700.0	15580.0	15780.0	16050.0
			16140.0	18385.0	18405.0		
		F	10120.0	10675.0	11495.0	12135.0	12325.0
			14940.0	15710.0	15930.0	16190.0	16260.0
			17510.0	17570.0	18160.0	20795.0	
		P	15890.0	17600.0			
	TELAM Buenos Aires, ARG	S	13540.0				
	USIA New York, NY, USA	E	14638.0	18542.5			
	VNA Hanoi, VTN	E	10600.0	11420.0			
		F	9330.0				
	VoA Greenville, NC, USA	E	18215.0				
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	9417.0	11680.0	12265.0	14367.0	
		F	11133.0	14760.0	14938.0		
1610	CETEKA Prague, TCH	E	17525.0				
1615	MTI Budapest, HNG	E	15670.0				
		F	10911.0				
1630	ANA Aden, YMS	A	9965.0				
	Lyngby R, DNK	Dan.	4355.5	13093.5	17212.5	22570.0	
	XINHUA Beijing, CHN	E	6915.0				
1700	ADN Berlin, DDR	A	10919.5	13895.0			
		E	9053.0	10543.0	10920.5	13876.0	13956.0
			14800.5	16325.0	17435.5		
	AFP Paris, F	A	5839.6	8022.3	14794.3		
		E	15977.0	18670.7	20311.8		
		F	5841.0	8023.7	10559.3	10614.3	14795.7
			15978.4	18669.3	20313.2		
	AGERPRES Bucharest, ROU	E	6972.0				
	ANA Aden, YMS	A	9965.0				
	ANSA Rome, I	E	8047.5	10815.0			
	ANSA Singapore, SNG	E	10408.0	16265.0			
	APS El Djaza´ir, ALG	A	14932.0				
		S	15480.0				
	ATA Tirana, ALB	E	9430.0				
		F	7850.0				
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	18785.0	20078.0
			22915.0				
	DPA Hamburg, D	E	18697.5	20655.7			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	4042.5	14764.0			
	Goeteborg R, S	Swed.	2423.5	4268.6	8556.0	12818.0	17024.0
			22356.8				
	Helsinki R, FNL	Fin.	17427.5				

1700	INA Baghdad, IRQ	A	5867.0	7565.0	10162.5		
		E	13524.0	14373.0			
	IRNA Tehran, IRN	E	7800.0	7959.0	19980.0		
	JANA Tripoli, LBY	A	10518.0	14573.0			
		E	12186.0	20560.0			
		F	15462.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MENA Cairo, EGY	A	3571.0	5220.0	7756.0	10150.0	15845.0
		E	3356.0	15935.0			
		E/F	5275.0				
		F	13653.0				
	MONTSAME Ulan Bator, MNG	E	10337.0				
	MTI Budapest, HNG	E	9114.0				
	NAN Lagos, NIG	E	10602.5				
	PANA Dakar, SEN	E/F	16117.0	19383.0			
	PAP Warsaw, POL	E	6805.0	7845.0	10245.0		
		F	15508.5	18650.0			
	PETRA Amman, JOR	E	5055.0	6830.0	9463.0		
	PIAB Bonn, D	G	9141.5	20022.4	23697.6		
	PL Habana, CUB	E	14901.0	16348.0			
	Rogaland R, NOR	N	4352.5	8707.0	13081.0	13097.0	17199.5
			17223.0				
	SUNA Khartoum, SDN	A	9080.0	15731.0			
		E	12120.9	18788.0			
	TANJUG Belgrade, YUG	E	5240.0	7658.0	7806.0	7996.0	
		F	10278.8	18050.0			
		SC	5112.0				
	TAP Tunis, TUN	F	17390.0				
	TASS Moscow, RU, URS	A	15865.0	16190.0	17360.0		
		A/F	10985.0				
		E	10240.0	10258.0	10270.0	10880.0	11470.0
			12250.0	12315.0	14510.0	14700.0	15780.0
			16050.0	18385.0	18405.0		
		F	10165.0	10675.0	14940.0	15925.0	16260.0
			17510.0	18160.0	19210.0		
		P	9850.0	12285.0	15890.0	17600.0	
	TELAM Buenos Aires, ARG	S	13540.0				
	USIA New York, NY, USA	E	18542.5				
		S	14638.0				
	VNA Hanoi, VTN	E	10600.0	11420.0			
	VoA Greenville, NC, USA	E	18215.0				
	VWD Frankfurt, D	G	129.1				
	XINHUA Beijing, CHN	E	7520.0	7650.0	7744.0	11680.0	12265.0
			14367.0	14760.0			
		F	11133.0				
1710	CETEKA Prague, TCH	E	5917.0				
1715	Scheveningen R, NLD	Dutch	4355.0	6504.0			
1730	BTA Sofia, BUL	E	6960.0	7460.0			
	IRNA Tehran, IRN	A	8049.0				
	PL Tokyo, J	S	10710.0				
1800	ADN Berlin, DDR	E	9053.0	10543.0	10785.5	10920.5	13895.0
		F	10784.5	10919.5	12251.0	14800.5	

1800	AFP Paris, F	A	5839.6	8022.3			
		E	15977.0	18670.7			
		F	5841.0	8023.7	10559.3	10614.3	14795.7
			15978.4	18669.3			
	AFP Victoria Island, HKG	E	7542.5				
	AGERPRES Bucharest, ROU	E	6972.0				
	ANA Aden, YMS	E	9965.0				
	ANSA Rome, I	E	8030.0	8047.5	8062.0	10815.0	12108.0
			14630.5	16066.8			
	APS El Djaza´ir, ALG	A	14932.0				
	ATA Tirana, ALB	E	9430.0				
		F	7850.0				
	AZAP Kinshasa, ZAI	F	10670.0				
	DIPLO Paris, F	F	9788.0	13998.0	18785.0	20078.0	
		S	22915.0				
	DPA Hamburg, D	E	18697.5				
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	4042.5	14764.0			
	INA Baghdad, IRQ	A	7565.0	10162.5			
		E	13524.0	14373.0			
	IRNA Tehran, IRN	A	8049.0				
	JANA Tripoli, LBY	A	10518.0				
		E	12186.0	15462.0			
	KCNA Pyongyang, KRE	E	7364.0	8020.0	8152.0	11475.0	
		F	9395.0	11536.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MENA Cairo, EGY	A	3571.0	5220.0	10150.0	15845.0	
		E	5275.0	13653.0			
		F	7610.0				
	NAN Lagos, NIG	E	10602.5				
	PANA Dakar, SEN	E/F	19383.0				
	PAP Warsaw, POL	E	9391.0				
		Pol.	7892.5	11423.5	13496.5	13541.5	13602.4
			18648.5	18651.5			
	PETRA Amman, JOR	E	5055.0	6830.0			
	PL Habana, CUB	E	14901.0	16348.0			
	TANJUG Belgrade, YUG	E	5240.0	7658.0	7806.0		
		F	10278.8	18050.0			
		S	17610.0				
		SC	5112.0				
	TASS Moscow, RU, URS	A	10985.0	12085.0	15865.0		
		E	9140.0	10240.0	10258.0	10270.0	10880.0
			14510.0	14700.0			
		F	10675.0	14940.0	16260.0	19210.0	
		P	9850.0	15890.0			
	TELAM Buenos Aires, ARG	S	13540.0	18421.0			
	USIA New York, NY, USA	E	14638.0	18542.5			
	VNA Hanoi, VTN	F	10600.0				
	VoA Greenville, NC, USA	S	18215.0				
	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	9417.0	14367.0
		F	11133.0				
1830	BTA Sofia, BUL	E	11502.0				

1830	KCNA Pyongyang, KRE	E	12175.0				
	Moscow R, RU, URS	R	12739.0				
	XINHUA Beijing, CHN	E	6915.0	7923.0			
1900	ADN Berlin, DDR	E	9053.0	10543.0	10919.5	10920.5	11125.0
			13895.0				
		F	10784.5	12251.0	14799.5		
	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7	10559.3		
	AGERPRES Bucharest, ROU	E	6972.0				
	ANGOP Moscow, RU, URS	F	9140.0				
		P	7525.0				
	ANSA Rome, I	E	8062.0	10815.0	14630.5		
	APS El Djaza´ir, ALG	E	15480.0				
	ATA Tirana, ALB	F	7850.0				
	BTA Sofia, BUL	E	6960.0				
	CETEKA Prague, TCH	E	9353.0				
	DIPLO Paris, F	F	13998.0	20078.0	22915.0		
	DPA Hamburg, D	G	110.6				
	DyN Buenos Aires, ARG	S	7954.5				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	4042.5	14764.0			
	INA Baghdad, IRQ	A	7565.0	10162.5			
		E	13524.0	14373.0			
	IRNA Tehran, IRN	E	7959.0	8049.0			
	JANA Tripoli, LBY	E	12186.0				
	KCNA Pyongyang, KRE	E	8020.0	11475.0	12175.0		
		F	9395.0	11536.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	9313.0	10153.0
			11493.0	11574.0	12075.0	12176.0	14418.0
			14831.0	15643.0	17623.0	18203.0	18278.0
			18293.0	18307.0	18640.5	20627.5	
	MENA Cairo, EGY	A	3571.0	5220.0	7756.0	10150.0	15845.0
		E	5275.0	7610.0			
	Moscow R, RU, URS	R	12930.0				
	PAP Warsaw, POL	F	6848.0				
	PL Habana, CUB	E	14901.0	16348.0			
	Rogaland R, NOR	N	4351.0	4352.5	8707.0	12682.5	13081.0
			13097.0	17199.5	17223.0		
	SPK Phnom Penh, KMP	F	9255.0				
	TANJUG Belgrade, YUG	E	5240.0				
	TASS Moscow, RU, URS	A	10985.0	14720.0			
		E	10240.0	10270.0	12285.0	14700.0	
		F	14940.0				
	TELAM Buenos Aires, ARG	S	10893.5	13540.0	18421.0		
	USIA New York, NY, USA	E	14638.0	18542.5			
	VNA Hanoi, VTN	E	11420.0				
	VoA Greenville, NC, USA	E	18215.0				
	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	14367.0	14760.0
1915	TANJUG Belgrade, YUG	E	7658.0	7806.0			
1930	Moscow R, RU, URS	G	17119.0				
	UNID station	I	17440.5				
2000	ADN Berlin, DDR	A	13895.0	16325.0			
		E	10543.0	11125.0	11420.0		
		S	16403.0				
	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7	10559.3		

2000	AFP Victoria Island, HKG	E	7542.5				
	ANGOP Moscow, RU, URS	P	7525.0				
	ANSA Rome, I	F	8062.0	10815.0	14630.5		
	DIPLO Paris, F	F	13998.0	20078.0			
	DPA Hamburg, D	G	110.6				
	DyN Buenos Aires, ARG	S	7954.5	11013.0			
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	4042.5	14764.0			
	HAB Hamburg, D	G	6418.5				
	INA Baghdad, IRQ	E	13524.0	14373.0			
	IRNA Tehran, IRN	E	7959.0	8049.0			
	KCNA Pyongyang, KRE	E	8020.0	12175.0			
		F	9395.0	11536.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	9317.0	10157.0
			11497.0	11578.0	12079.0	12180.0	14422.0
			14835.0	15647.0	17627.0	18207.0	18282.0
			18297.0	18311.0	18644.5	20631.5	
	MENA Cairo, EGY	A	3571.0	5220.0	10150.0	15845.0	
		E	13653.0	15935.0			
		F	5275.0	7610.0			
	NA Buenos Aires, ARG	S	10805.0				
	Novorossiysk R, RU, URS	R	12660.5				
	PAP Warsaw, POL	E	9391.0				
	PL Habana, CUB	E	14901.0	16348.0			
	TANJUG Belgrade, YUG	E	5240.0	7658.0			
	TASS Moscow, RU, URS	A	10985.0	19210.0			
		E	10240.0	10270.0	14700.0		
	TELAM Buenos Aires, ARG	S	7428.5	10893.5	13540.0		
	USIA New York, NY, USA	E	14638.0				
	VoA Greenville, NC, USA	E	18215.0				
	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	14760.0	
2030	IRNA Tehran, IRN	A	7959.0	8049.0			
2100	ADN Berlin, DDR	E	10543.0	11125.0	11420.0		
	AFP Paris, F	A	5839.6	8022.3	10557.9		
		F	5841.0	8023.7	10559.3		
	AFP Victoria Island, HKG	E	7542.5				
	ATA Tirana, ALB	F	7850.0				
	Athens R, GRC	Greek	13095.5				
	DIPLO Paris, F	F	13998.0	16397.5	20078.0		
	DPA Hamburg, D	G	110.6				
	DyN Buenos Aires, ARG	S	7954.5	11013.0			
	EPD/SID Frankfurt, D	G	140.3				
	INA Baghdad, IRQ	A	5867.0				
		E	13524.0	14373.0			
	IRNA Tehran, IRN	A	7959.0	8049.0			
	MENA Cairo, EGY	A	3571.0	5220.0	7756.0	10150.0	15845.0
		E	3356.0	5275.0	13653.0		
		F	15935.0				
	NA Buenos Aires, ARG	S	10805.0				
	PAP Warsaw, POL	E	6805.0				
	PL Habana, CUB	E	14901.0	16348.0			
	Rügen R, DDR	G	4242.5	8608.5	12909.0		
	TANJUG Belgrade, YUG	E	5240.0				
	TASS Moscow, RU, URS	A	12325.0				
		E	10270.0	14700.0	16140.0		
		F	10985.0				
	TELAM Buenos Aires, ARG	S	3266.7	7428.5	10893.5	13540.0	
	USIA New York, NY, USA	E	14638.0				
		S	18542.5				
	VoA Greenville, NC, USA	E	18215.0				
	VoA Tanger, MRC	E	5460.0				

2100	XINHUA Beijing, CHN	E	7520.0	7650.0			
2130	KCNA Pyongyang, KRE	E	12175.0				
		F	9395.0				
2145	Mobile R, AL, USA	E	13078.5	13098.0			
2200	ADN Berlin, DDR	E	10543.0	11420.0			
		S	10920.5	12251.0	13390.0		
	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7			
	Chatham R, MA, USA	E	8715.0	17216.0			
	DIPLO Paris, F	F	16397.5				
	DyN Buenos Aires, ARG	S	4549.5	7954.5	11013.0		
	INA Baghdad, IRQ	E	13524.0	14373.0			
	KCNA Pyongyang, KRE	E	12175.0				
		F	9395.0				
	MENA Cairo, EGY	A	3571.0	5220.0	10150.0		
		E	5275.0	7610.0			
	NA Buenos Aires, ARG	S	3840.0	10805.0			
	PIAB Bonn, D	G	16017.4				
	PL Habana, CUB	E	16348.0	18193.5			
	TANJUG Belgrade, YUG	E	5240.0	7658.0	7806.0		
	TELAM Buenos Aires, ARG	S	3266.7	4004.5	7428.5	10893.5	13540.0
	USIA New York, NY, USA	E	14638.0				
	VoA Greenville, NC, USA	E	10233.0	10234.3	10235.8	10237.2	18215.0
	VoA Tanger, MRC	E	5460.0	12223.5	13770.0		
	XINHUA Beijing, CHN	E	7520.0	7650.0			
2300	ADN Berlin, DDR	E	10543.0				
		S	12251.0	13390.0			
	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7			
	DIPLO Paris, F	F	22915.0				
	DyN Buenos Aires, ARG	S	4549.5	7954.5	11013.0		
	KCNA Pyongyang, KRE	F	9395.0				
	MENA Cairo, EGY	A	10150.0				
		E	7610.0				
	Moscow R, RU, URS	R	12980.0				
	NA Buenos Aires, ARG	S	3840.0	10805.0			
	TANJUG Belgrade, YUG	E	5240.0	7658.0			
	TELAM Buenos Aires, ARG	S	3266.7	4004.5	7428.5	10893.5	13540.0
	VoA Greenville, NC, USA	E	10233.0	10234.3	10235.8	10237.2	
	VoA La Union, Poro I., PHL	E	11477.0				
	VoA Tanger, MRC	E	5460.0	6816.1	9855.0	10972.0	12223.5
			13770.0				
	XINHUA Beijing, CHN	E	7520.0	7650.0			
2330	KCNA Pyongyang, KRE	F	11475.0	13580.0			

10 Meteorological RTTY services in alphabetical order

Alphanumerical index of stations transmitting meteorological data. In addition, many air stations transmit meteorological bulletins.

Listed are

- country;
- name of the station;
- call sign and corresponding frequency (-ies).

Not listed are

- irregular meteorological bulletins transmitted by military stations;
- harmonic or spurious emissions.

ALGERIA

El Djaza´ir Meteo	7XA97-6981.8 7XA98-11601.0
MOI El Djaza´ir	´KARIM´-13332.0

AMSTERDAM AND SAINT PAUL ISLANDS

Martin de Vivies Met.	FJY4-11420.0+14434.5

ANTARCTIC

OTC Macquarie Island	VJM-14412.2
SAAM Molodezhnaya	RUZU-9280.0+13865.0+15830.0

ARGENTINA

AN Puerto Belgrano	LOR-11070.0

AUSTRALIA

Canberra Meteo, ACT	AXM34-11030.0 AXM35-13920.0 AXM37-19690.0
OTC Sydney, NSW	´MET´-9043.5

AZORES

PN Horta	CTH3-13070.0

BRAZIL

BN Rio de Janeiro	PWZ-17122.0

BULGARIA

Sofia Meteo	LZF8-3253.0 LZA8-4813.0 LZF9-5455.0 LZM7-6795.0 LZU2-11063.0

CANADA

CCG Halifax, NS	VCS-13090.5

CF Halifax, NS	CFH-122.5+4271.0+6330.0+10536.0+13510.0

CHINA

Beijing Meteo	BAA9-5180.5 BAF44-7350.5 BAA22-7815.0 BAA23-9193.0 BAA8-10320.0 BAF47-14340.0
Chengdu Meteo	BLM66-4794.0 BLM21-5844.0 BLM22-8190.0 BLM23-10470.0
Lanzhou Meteo	BSB29-6985.0 BSB35-13360.0
Urumqi Meteo	BZC75-4472.5+5190.0+8040.0+11570.0
Wuhan Meteo	BJZ25-4482.0 BJZ27-5315.0 BJZ20-6950.0 BJZ21-7863.0 BJZ23-10650.0

CONGO

Brazzaville Meteo	TNL97-10137.0 TNL96-14986.0

CZECHOSLOVAKIA

Prague Meteo	3196.0 4336.0 6392.0

DENMARK

Lyngby R	OXZ-25437.0

DIEGO GARCIA

USN Diego Garcia	NKW-7442.0

EGYPT

Cairo Meteo	SUU-7317.2+11014.0+17634.0+18106.3

FRANCE

MOD Paris	'RFFA'-5396.6
Saint Lys R	FFT31-6501.0 FFT41-8708.5 FFT61-13074.5 FFT81-17201.0 FFT91-22563.0

GERMAN DEMOCRATIC REPUBLIC

Potsdam Meteo	2695.0 2770.0 4015.0 4045.0 Y3I-7980.0

GERMANY (FEDERAL REPUBLIC OF)

Grengel Meteo	DHJ51-2622.5+2691.0 DHN37-2822.0 DHJ51-3035.5 DHN37-3073.5 DHJ51-3166.5+3318.0+4785.5 DHM44-4903.0 DHN37-4963.5 DHJ51-9318.0+13526.0
Hamburg Meteo	DDK2-4583.0 DDH7-7646.0 DDK8-11638.0

HAWAII

USAF Hm. AFB, Honolulu	'PHWR'-7873.0
USCG Honolulu	NMO-8718.0

INDIA

Delhi Meteo	VVD57-7580.0 VVD62-12075.0 VVD65-14837.0 VVD69-19400.0
IN Bombay	´RBSL´-8500.0

INDONESIA

Jakarta Meteo	8BB35-11500.0

ITALY

Rome Meteo	IMB1-3172.5 IMB2-5887.5 IMB3-11453.0

JAPAN

Tokyo Meteo	JMG2-5102.5 JMG3-7402.5 JMG4-14880.0 JMG5-19529.0 JMG6-23972.0

JORDAN

Amman Meteo	JYN41-10965.0

KENYA

Nairobi Meteo	5YE-7505.0+9043.0+10111.0+10384.2+11123.5+17363.0

KOREA (DEMOCRATIC PEOPLE´S REPUBLIC OF)

Pyongyang Meteo	HMA-4646.0

KOREA (REPUBLIC OF)

Soul Meteo	HLL8-11645.0

MADAGASCAR

Antananarivo Meteo	5ST41-7552.5 5ST83-17400.0

MALAYSIA

Kuala Lumpur Meteo	9MY58-9143.0 9MY63-18354.0

MARIANA ISLANDS

USCG Apra Harbour	NRV-13077.0+17203.0+22567.0

MAURITIUS

Vacoas Meteo	3BT2-3463.0 3BT3-7693.0 3BT4-15955.0

MEXICO

Merida	7888.0

PAKISTAN

Karachi Meteo	ARA-19682.8

POLAND

Warsaw Meteo	SOA211-111.3 SOA212-129.5 SOE349-4497.0 SOH299-7997.0

PORTUGAL

PN Lisbon	CTV4-4235.5 CTW8-8526.5 CTU2-13002.5 CTV7-17056.7

REUNION

FF Le Port	´RFVI´-7895.0+13845.0

ROMANIA

Bucharest Meteo	YRR2-4002.0 YOG37-5400.0 YRR4-5731.0

SAINT HELENA

Jamestown Meteo	GHH-6824.0+17413.3+23997.5

SAUDI ARABIA

Jeddah Meteo	HZN46-4570.0 HZN-5740.0 HZN47-7625.0 HZN48-10215.0 HZN-12245.0 HZN49-17590.0 HZN50-23370.0

SENEGAL

Dakar Meteo	6VY41-7585.0 6VU73-13665.0 6VU79-19747.5

SOUTH AFRICA (REPUBLIC OF)

Capetown R	ZSC63-13093.0 ZSC64-17206.5
Pretoria Meteo	ZRO5-4017.5 ZRO3-13542.0 ZRO4-18241.8
SAN Capetown	ZRQ-12693.0

SPAIN

SN Cartagena	´71XBP´-6521.0
SN Madrid	´78IJU´-4311.2+6333.0 ´RETJ´-6521.0 ´78IJU´-8441.0+12657.0
SN Tarifa	´78YLQ´-4607.0+6329.0

THAILAND

Bangkok Meteo	HSW64-7395.0 HSW63-10169.0 HSW62-10298.0 HSW61-17521.0

TURKEY

Ankara Meteo	YMA20-3550.0+10424.0
Bandirma Meteo	YMB20-4560.7

UNION OF SOVIET SOCIALIST REPUBLICS

Alma Ata Meteo, KA	RXA71-3995.0 RWH79-10570.0
Arkhangelsk Meteo, RU	RVZ73-3655.0 RSW71-5345.0 RGH77-7760.0
Irkutsk Meteo, SE	RKR74-4560.0 RKR78-5740.0 RBT54-6970.0 7700.0
Khabarovsk Meteo, SE	RGO75-4910.0 RCR72-5785.0 RDW72-6830.0 RVL21-8085.0 RCR77-11520.0 RCR78-13803.0
Kiyev Meteo, UK	RGC7.-3290.0 RGC72-4442.5 RGC70-6920.0
Leningrad Meteo, RU	RUU78-4900.0
Moscow Meteo, RU	RWZ72-3330.0 RWW74-5020.0 RWW73-5140.0 RBV75-7685.0 ROK24-7855.0 RDZ75-9190.0 RDD77-11450.0 RVW53-13530.0
Moscow R, RU	UAT-12820.0
Nakhodka R, SE	UKK3-22581.0
Novosibirsk Meteo, SW	ROF71-3590.0 RCU71-7715.0 ROQ3-7890.0 RTC26-15566.0
SAM Nordvik, SE	USY-10837.5
Sverdlovsk Meteo, SW	RTQ78-9290.0
Tashkent Meteo, UZ	RVM45-5430.0 RBX73-10130.0
Tbilisi Meteo, GE	RDM73-4455.0 RDM78-5335.0

UNITED KINGDOM

BA London	GXQ-5102.0+9147.0
Bracknell Meteo	GFL26-4489.0 GFL22-6835.0 GFL23-10551.3 GFL24-14356.0 GFL25-18230.0
RAF London	MKT-12152.0
RN London	GYD-12115.0
USAF AWS Croughton	AJE-15870.0
USAF Croughton	AJE-7568.0+9237.5+9328.0 ´CRO´-10532.9

UNITED STATES OF AMERICA

Chatham R, MA	WCC-8712.5+8715.0+13081.5+13090.0+17207.5+17216.0+22571.5
Mobile R, AL	WLO-4343.0+4352.0+4354.5+6499.5+8514.0+8707.0+12886.5+13083.5+17021.6+17199.5+22487.0
Ocean Gate R, NJ	WOO-8051.5
San Francisco R, CA	KPH-6501.0
Slidell R, LA	WNU-13099.5
USAF AWS Offutt AFB, Omaha, NE	AFS-3229.0+6902.0+11118.0+19324.0
USCG Boston, MA	NMF-6500.0+8490.0+8502.0+12750.0+13021.0+17201.0
USN Norfolk, VA	NAM-10258.0

VIET NAM

Hanoi Meteo	XVN-7512.0+7972.0+12096.5+14823.0

11 Meteorological FAX schedules in alphabetical order

Schedules of meteorological stations and other stations transmitting facsimile information, in alphabetical order.

Listed are

- country;
- name of the station;
- frequencies and call signs;
- schedule.

Not listed are

- harmonic or spurious emissions.

The schedules are given in the following order:

- transmission start time;
- plain text description; or abbreviated heading, consisting of
  - data designator t*t* (for decoding see chapter 4.3 in our AIR AND METEO CODE MANUAL);
  - geographical designator AA (for decoding see chapter 4.3 in our AIR AND METEO CODE MANUAL);
  - level designator i*i* (see chapter 2.3 in our AIR AND METEO CODE MANUAL);
  - international four-letter location indicator CCCC of the station originating or compiling the bulletin (for decoding see chapter 11 in our AIR AND METEO CODE MANUAL);
  - reference or observation time, or the validity time indicated either as a fixed time (e.g. VT1800) or as a function of the reference time (e.g. H+24);
- chart details like pressure levels etc.

Example 1: "0941 ASXX EGRR 0600" means "transmission start time 0941 UTC; surface analysis; no specific geographical designator appropriate; originating or compiling station Bracknell; reference time 0600 UTC".

Example 2: "0700 FUXN BABJ 1200 500 hPa (H+48)" means "transmission start time 0700 UTC; upper-air prognosis; Northern Hemisphere; originating or compiling station Peking (Beijing); reference time 1200 UTC; pressure level 500 hectopascal; validity time 48 hours".

Several stations give the chart identification number $cF_1F_2F_3F_4$ in one corner of the chart (examples see chapter 12 in our GUIDE TO FACSIMILE STATIONS), consisting of

- bulletin classification indicator c (= 9 for pictorial information - see chapter 4.3 in our AIR AND METEO CODE MANUAL);
- chart originating centre indicator F_1F_2 (for decoding see chapter 4.3 in our AIR AND METEO CODE MANUAL);
- chart serial number F_3F_4 in the series of charts distributed by that centre.

Example: Chart identification number "94137" indicates "chart number 37 distributed by RMC/AFC Buenos Aires".

Note: These schedules are modified frequently. Completely revised and updated schedules will be published in the next edition of our GUIDE TO FACSIMILE STATIONS.

ALASKA

USCG Kodiak	4298.0	NOJ
	8459.0	NOJ

- 120/576

0400 - 0000 surface analysis
- coastal marine forecast tables VT 1200/0000
- 3rd day surface forecast VT1200
- 4th day surface forecast VT1200
- 5th day surface forecast VT1200

1000 - 0600 surface analysis
- surface forecast VT1200 next day
- 5-day sea ice forecast
- sea surface analysis from satellite and surface observations (Monday and Friday, plus Wednesday from October to February)

1800 - 1200 surface analysis
- coastal marine forecast tables VT 0000/1200

2200 - 1800 surface analysis
- surface forecast VT0000 end of next day
- significant wave forecast VT1200
- sea ice analysis

USN Adak	8494.0	NUD

(schedule see under USN Pearl Harbour, Hawaii)

ARGENTINA

Buenos Aires Meteo	5185.0	LRO 69
	10720.0	LRB 72
	18093.0	LRO 84

- 120/576

0400 ASAG SABM 0000
0450 AUAG SABM 0000 850 hPa
0510 AUAG SABM 0000 500 hPa
0610 AUAG SABM 0000 250 hPa
0710 AUAG SABM 0000 700 hPa
0810 AHAG SABM 0000 1000/500 hPa
1000 ARAG SABM 0600
1410 ARAG SABM 1200
1620 ASAG SABM 1200
1650 AUAG SABM 1200 500 hPa
1710 AUAG SABM 1200 850 hPa
1730 AUAG SABM 1200 tropopause and maximum wind
1750 AUAG SABM 1200 250 hPa
1810 AUAG SABM 1200 700 hPa
1910 FSAG SABM 1200
1930 FUAG SABM 1200 500 hPa
1950 FUAG SABM 1200 250 hPa
2010 FUAG SABM 1200 850/150 hPa, significant weather
2030 FUAG SABM 1200 700 hPa
2050 AHAG SABM 1200
with 1000/500 hPa precipitation data
2130 ARAG SABM 1800
2150 AWAG SABM 1200 state of sea

AUSTRALIA

Canberra Meteo, ACT	2628.0	AXM 31
	5100.0	AXM 32
	11030.0	AXM 34
	13920.0	AXM 35
	19690.0	AXM 37

- 120/576

0000 FSOC AMMC 0000 (H+36)
0030 FSOC AMMC 0600
0045 FSOC AMMC 0000 (H+24)
0115 AXM schedule
0130 recommended frequencies for AXM reception
0200 ANOC AMMC 0000
0215 ASOC AMMC 0000
0300 AUOC AMMC 0000 500 hPa
0315 AUOC AMMC 0000 250 hPa
0330 FBAS AMMC 1800 (H+12)
0345 FBOC AMMC 1800 (H+12)
0400 FUOC AMMC 0000 500 hPa (H+24)
0415 FSOC AMMC 0000 (H+24)
0530 FUOC AMMC 0000 250 hPa
0545 AUOC AMMC 0000 maximum wind, tropopause
0605 AUXT ADDN 0000 gradient level wind analysis
0615 FBOC AMMC 1200
0645 reserved for charts
for Antarctic support summer season
0715 ASIO AMMC 0000
0730 FWOC AMMC 0000 wind waves height
0745 FWOC AMMC 0000 swell waves height (H+24)
0800 ASPS AMMC 0000
0815 ASOC AMMC 0600
0830 FUAS AMMC 0000 250 hPa (H+24)
0845 FUIO AMMC 0000 250 hPa (H+24)
0915 FBOC AMMC 0000 (H+12)
0930 FBAS AMMC 0000 (H+12)
0945 FUPS AMMC 1200 250 hPa (H+36)
1000 FUAS AMMC 0600 250 hPa (H+30)
1015 FUIO AMMC 0600 250 hPa (H+30)
1030 FUXS AMMC 0000 500 hPa (H+48)
1045 FSXS AMMC 0000 (H+48)
1100 ASXS AMMC 0000
1115 - AOXT ADDN weekly mean sea surface temperature (Tuesday)
- AOXX AMMC weekly sea surface temperature and 250 m temperature analysis of SE Australian waters (Thursday)
- AIAA AMMC ice boundary (Saturday, during summer)

1130 FBOC AMMC 1800
1145 FWXS AMMC 1200 combined waves (H+36)
1200 FSOC AMMC 1200 (H+36)
1230 AUXS AMMC 0000 500 hPa
1300 FSIO AMMC 1200 (H+36)
1345 reserved for charts
for Antarctic support summer season

1415 ASOC AMMC 1200
1500 AUOC AMMC 1200 500 hPa
1515 FSOC AMMC 1200 (H+24)
1530 FBAS AMMC 0600
1545 FBOC AMMC 0600
1600 FUOC AMMC 1200 500 hPa (H+24)
1615 FSOC AMMC 1200 (H+24)
1715 AUOC AMMC 1200 250 hPa
1730 FUOC AMMC 1200 250 hPa (H+24)
1745 AUXT ADDN 1200 gradient level wind analysis
1830 FBOC AMMC 0000
1915 ASIO AMMC 1200
2000 ASPS AMMC 1200
2015 ASOC AMMC 1800
2030 FUAS AMMC 1200 250 hPa (H+24)
2045 FUIO AMMC 1200 250 hPa (H+24)
2115 FUIO AMMC 1800 250 hPa (H+24)
2130 FBAS AMMC 1200
2145 FBOC AMMC 1200
2200 FUAS AMMC 1800 250 hPa (H+30)
2215 ASXS AMMC 1200
2230 FUPS AMMC 0000 250 hPa (H+36)
2245 FUXS AMMC 0000 500 hPa (H+36)
2300 FSXS AMMC 1200 (H+48)
2330 AUXS AMMC 1200 500 hPa
2345 FSIO AMMC 1200 (H+48)

Darwin Meteo, NT	5755.0	AXI 32
	7535.0	AXI 33
	10555.0	AXI 34
	15615.0	AXI 35
	18060.0	AXI 36

- 120/576
0000 recommended frequencies for AXI reception
0030 AXI schedule
0200 current warnings summary in plain language
0215 ASOC AMMC 0000
0330 FBAS AMMC 1800
0415 FSOC AMMC 0000 (H+24)
0605 AUXT ADDN 0000 gradient level wind analysis
0700 ASXT ADDN 0000 MSL pressure analysis
0800 AUXT ADDN 0000 500 hPa streamline
0820 current warnings summary in plain language
0830 FUAS AMMC 0000 250 hPa (H+24)
0905 AUXT ADDN 0000 250 hPa streamline
0930 FBAS AMMC 0000
1000 FUAS AMMC 0600 250 hPa (H+36)
1045 AUXT ADDN 0000 700 hPa streamline
1115 AOXT ADDN weekly mean sea surface temperature (Tuesday)
1400 current warnings summary in plain language
1430 ASOC AMMC 1200
1530 FBAS AMMC 0600
1745 AUXT ADDN 1200 gradient level wind analysis
1955 AUXT ADDN 1200 500 hPa streamline
2030 FUAS AMMC 1200 250 hPa (H+24)
2045 current warnings summary in plain language
2100 AUXT ADDN 1200 250 hPa streamline
2130 FBAS AMMC 1200
2200 FUAS AMMC 1800 250 hPa (H+24)
2220 AUXT ADDN 1200 700 hPa streamline

USN Exmouth, WA	9498.5	NWC
	12673.5	NWC
	17060.0	NWC

(schedule see under USN Subic Bay, Philippines)

BULGARIA

Sofia Meteo	5092.5	LZJ 2

- 120/576
0415 ASEU LZSO 0000
0435 ASEE LZSO 0300 (06 April - 25 September)
0455 AUEU LZSO 0000 500 hPa
0510 ASEE LZSO 0300 (26 September - 05 April)
0550 AUEU LZSO 0000 850 hPa
0615 AUEU LZSO 0000 700 hPa
(06 April - 25 September)
0715 AUEU LZSO 0000 700 hPa
(26 September - 05 April)
0735 ASEE LZSO 0600
0800 test chart
0950 ASEU LZSO 0600
1030 ASEE LZSO 0900
1330 ASEE LZSO 1200

CANADA

CF Halifax, NS	122.5	CFH
	4271.0	CFH
	6330.0	CFH
	10536.0	CFH
	13510.0	CFH

- 120/576
0001 significant weather depiction VT1200
0014 ice chart
0101 radar analysis 0000
0301 500 hPa analysis 0000
0312 surface analysis 0000
0401 wave analysis 0000
0414 significant wave prognosis VT1200 (H+12)
0427 850 hPa analysis 0000
0501 isobaric prognosis VT0000 (H+24)
0514 significant wave prognosis VT0000 (H+24)
0601 significant weather depiction VT1800
0614 significant wave prognosis VT1200 (H+36)
0701 radar analysis 0600
0801 isobaric prognosis VT1200 (H+36)
0814 sea surface temperatures
Newfoundland, Nova Scotia
0901 surface analysis 0600
1001 isobaric prognosis VT1200 (H+36)

1014 - fleet broadcast schedule
- test chart (Tuesday, Thursday, Saturday)
1101 ice chart
1201 significant weather depiction VT0000
1301 ice chart
1401 ice chart
1421 radar analysis 1200
1501 500 hPa analysis 1200
1512 surface analysis 1200
1601 wave analysis 1200
1614 significant wave prognosis VT0000 (H+12)
1627 850 hPa analysis 1200
1701 isobaric prognosis VT1200 (H+24)
1714 significant wave prognosis VT1200 (H+24)
1801 significant weather depiction VT0600
1814 significant wave prognosis VT0000 (H+36)
1901 isobaric prognosis VT0000 (H+36)
2001 radar analysis 1800
2014 sea surface temperatures
Newfoundland, Nova Scotia
2120 surface analysis 1800
2201 ice chart
2301 ice chart

CF Vancouver, BC	4268.0	CKN
	6456.0	CKN
	12753.0	CKN

- 120/576
0245 broadcast schedule
0300 combined 850/500 hPa analysis 0000
0310 0000 surface analysis
0320 weather depiction prognosis VT1200 (H+12)
1025 test chart
1030 0600 surface analysis
1040 wave height prognosis VT0000 (H+18)
1050 wave height prognosis VT1200 (H+24)
1100 weather depiction prognosis VT1800 (H+12)
1110 weather depiction prognosis VT0600 (H+24)
1230 test chart
1235 surface prognosis VT0000 (H+18)
1245 surface prognosis VT1200 (H+24)
1515 test chart
1520 combined 850/500 hPa analysis 1200
1530 1200 surface analysis
2115 test chart
2120 weather depiction prognosis VT0000 (H+6)
2130 weather depiction prognosis VT1200 (H+18)
2140 surface prognosis VT1200 (H+18)
2150 surface prognosis VT0000 (H+30)
2200 1800 surface analysis
2210 wave height prognosis VT1200 (H+18)
2220 wave height prognosis VT0000 (H+30)
2230 - sea surface temperature analysis
(Tuesday, Friday)
- ocean analysis (Monday, Saturday)

Iqaluit Meteo, NWT	3253.0	VFF
	7710.0	VFF

- 120/576
0008 STAC observed ice conditions
0952 ASAC 0600 surface analysis
1006 FSAC surface prognosis (H+24)
2000 STAC observed ice conditions
2155 ASAC 1800 surface analysis
2209 FSAC surface prognosis (H+24)
2335 AIAC local ice conditions

CANARY ISLANDS

Las Palmas Meteo	13368.0	EDC 7

(schedule see under Madrid Meteo, Spain)

CHILE

CN Santiago	4766.0	CCS
	6418.0	CCS
	8594.0	CCS
	13525.0	CCS
	22071.0	CCS

- 120/576
1130 ASCH SCSC 0600
1920 AXCH SCSC 1200
1940 ANCH SCSC 1200
2310 ASCH SCSC 1800
2330 FSCH SCSC 1800

DGTMMM Valparaiso R	4228.0	CBV
	8677.0	CBV
	17146.4	CBV

120/576
1130 schedule and surface analysis
1920 nephanalysis
1940 sea state analysis
2310 surface analysis
2330 surface prognosis

CHINA

Beijing Meteo	5527.0	BAF 6
	8122.0	BAF 36
	10117.0	BAF 4
	14367.0	BAF 8
	16025.0	BAF 9
	18237.0	BAF 33

- 120/576

0000 FXCI BABJ 1200 700 hPa T - Td (H+36)
FXCI503 BABJ 1200 12 - 36 h height changes (500 hPa)
FXCI BABJ 1200 500/1000 hPa thickness (H+36)
FXCI853 BABJ 1200 850 hPa temperature (H+36)

0020 FXAS BABJ 1200 500 hPa synoptic trend prognosis for the next dekad (10., 20. and at the end of each month)
FXCI BABJ precipitation probability MOS forecast (except 10., 14. and 20. of each month)
CUXN50 BABJ 1200 retransmission of 0920 (14. of each month)

0040 AUAS70 BABJ 1200 retransmission of 2000

0100 AXCI BABJ 1200 700 hPa wind speed
AXCI BABJ 1200 500/850 hPa Theta se
AXCI85 BABJ 1200 850 hPa wind speed
AXCI70 BABJ 1200 700 hPa Theta se

0120 AXCI70 BABJ 1200 700 hPa T - Td
AXCI70 BABJ 1200 700 hPa vapour flux divergence
AXCI BABJ 1200 500/1000 hPa thickness
AXCI85 BABJ 1200 850 hPa temperature

0140 0000 typhoon warning (in clear English and Chinese) (in case of typhoon)

0200 FSXN BABJ 1200 pressure (H+36)
FSXN BABJ 1200 pressure (H+48)

0220 FXCI BABJ minimum temperature (H+36) (from 01 October to 30 April)
FXCI BABJ maximum temperature (H+48) (from 01 May to 30 September)

0240 FXCI BABJ precipitation (H+24, H+48) (from 01 May to 30 September)

0300 CUXN50 BABJ 1200 500 hPa monthly mean vorticity anomaly (7. of each month)

0320 USAS85 BABJ 0000 850 hPa plotted data

0340 USAS70 BABJ 0000 700 hPa plotted data

0400 USAS50 BABJ 0000 500 hPa plotted data

0420 FSAS BABJ 1800 pressure (H+48)

0440 ASAS BABJ 0000 pressure

0500 FUXN504 BABJ 1200 ECMWF 500 hPa (H+48)
FUXN507 BABJ 1200 ECMWF 500 hPa (H+72)

0520 FUXN509 BABJ 1200 ECMWF 500 hPa (H+96)
FUXN50 BABJ 1200 ECMWF 500 hPa (H+120)

0540 AUAS50 BABJ 0000 500 hPa

0600 AUAS70 BABJ 0000 700 hPa

0620 AUAS85 BABJ 0000 850 hPa

0640 CUXN50 BABJ 1200 500 hPa monthly mean ultra-long wave (8. of each month)
CUXN50 BABJ 1200 500 hPa monthly mean spherical harmonic coefficient and mean kinetic energy (7. of each month)

0700 ANCI BABJ 0000 nephanalyses (from 01 May to 30 September)

0720 AUCI70 BABJ 0000 700 hPa vertical P-velocity
AUCI50 BABJ 0000 500 hPa vorticity
FSCI BABJ 0000 precipitation (H+24)
FSCI BABJ 0000 precipitation (H+36)

0740 0600 typhoon warning (in clear English and Chinese) (in case of typhoon)

0800 FUAS50 BABJ 1200 500 hPa height for the next month (24. of each month)
CUXN50 BABJ 1200 500 hPa height of the preceding pentad (on the 3., 7., 13., 17., 23. and 27. of each month)

0820 ASXT BABJ 0000 pressure

0840 AUXN20 BABJ 0000 200 hPa

0900 CUXN50 BABJ 1200 500 hPa mean height of the preceding dekad (3., 13., 23. of each month)
FXCI BABJ 1200 precipitation anomaly percentage for the next month (24. of each month)

0910 FUCI BABJ 1200 mean temperature anomaly for the next month (24. of each month)

0920 CUXN50 BABJ 1200 500 hPa mean height of the preceding month (3. of each month)
CUXN50 BABJ 1200 500 hPa monthly mean circulation characteristic value and sea temperature (13. of each month)

0940 CUXN50 BABJ 1200 500 hPa height anomaly of the preceding month (3. of each month)

1000 test chart (Monday)

1007 programme amendments (13. of each month)

1040 FSPW BABJ 0000 typhoon track forecast (unfixed issue of forecast according to typhoon development)

1340 1200 typhoon warning (in clear English and Chinese) (in case of typhoon)

1820 USAS85 BABJ 1200 850 hPa plotted data

1840 USAS70 BABJ 1200 700 hPa plotted data

1900 USAS50 BABJ 1200 500 hPa plotted data

1920 ASXX BABJ 1200 pressure

1940 1800 typhoon warning (in clear English and Chinese) (in case of typhoon)

2000 AUAS70 BABJ 1200 700 hPa

2020 AUXN10 BABJ 1200 100 hPa
AUXN20 BABJ 1200 200 hPa

2040 AUXN30 BABJ 1200 300 hPa
AUXN50 BABJ 1200 500 hPa

2120 AUXN70 BABJ 1200 24-hour height changes (700 hPa)
AUXN50 BABJ 1200 24-hour height changes (500 hPa)

2140 AXCI50 BABJ 1200 500 hPa vorticity
AXCI70 BABJ 1200 700 hPa vapour flux
AXCI70 BABJ 1200 700 hPa vertical P-velocity
AXCI85 BABJ 1200 850 hPa vapour flux

2200 AXXN BABJ 1200 24-hour pressure changes
FUXN507 BABJ 1200 500 hPa (H+72)

2220 FUXN504 BABJ 1200 500 hPa (H+48)
FUXN703 BABJ 1200 700 hPa (H+36)

2240 FSPW BABJ 1200 typhoon track forecast (unfixed issue of forecast according to typhoon development)

2300 FXCI503 BABJ 1200 500 hPa vorticity (H+36)
FXCI504 BABJ 1200 500 hPa vorticity (H+48)
FXCI703 BABJ 1200
700 hPa vertical P-velocity (H+36)
FXCI704 BABJ 1200
700 hPa vertical P-velocity (H+48)
2320 FXCI703 BABJ 1200 700 hPa vapour flux (H+36)
FXCI704 BABJ 1200 700 hPa vapour flux (H+48)
FXCI853 BABJ 1200 850 hPa vapour flux (H+36)
FXCI704 BABJ 1200
700 hPa vapour flux divergence (H+48)
2340 FXCI703 BABJ 1200 700 hPa wind speed (H+36)
FXCI BABJ 1200 500/850 hPa Theta se (H+36)
FXCI853 BABJ 1200 850 hPa wind speed (H+36)
FXCI703 BABJ 1200 700 hPa Theta se (H+36)

CZECHOSLOVAKIA

Prague Meteo 111.8 OLT 21

- 120/576
0010 SDCZ OKPR 0000 radar reports
- 90/576
0040 SMXX OKPR 0000 with plotted data
- 120/576
0110 SDCZ OKPR 0100 radar reports
0210 SDCZ OKPR 0200 radar reports
0310 SDCZ OKPR 0300 radar reports
- 90/576
0320 UXXX OKPR 0000
absolute topography 850/700/500/300 hPa
0340 SMXX OKPR 0300 with plotted data
0440 UXXX OKPR 0000 TEMP 11520, 11952
- 120/576
0500 FSXX OKPR 0000 (H+24)
0510 SDCZ OKPR 0500 radar reports
0540 ASXX OKPR 0000
0600 AUXX OKPR 0000 absolute topography 700 hPa,
relative topography 500/1000 hPa
(Monday - Saturday)
0610 SDCZ OKPR 0600 radar reports
- 90/576
0640 SMXX OKPR 0600 with plotted data
- 120/576
0710 SDCZ OKPR 0700 radar reports
0740 AUXX OKPR 0000 absolute topography 850 hPa
(Monday - Saturday)
- 90/576
0750 UXXX OKPR 0000 TEMP 11535, 11722
- 120/576
0810 SDCZ OKPR 0800 radar reports
- 90/576
0850 UXXX OKPR 0300 TEMP 11467, 11653
- 120/576
0910 SDCZ OKPR 0900 radar reports
- 90/576
0940 SMXX OKPR 0900 with plotted data
- 120/576
1010 SDCZ OKPR 1000 radar reports
1100 FSXX OKPR 0000 (H+48) (Monday - Friday)
1110 SDCZ OKPR 1100 radar reports
1130 FSXX OKPR 0000 (H+72) (Monday - Friday)
1140 ASXX OKPR 0600
1200 FSXX OKPR 0000 (H+96)
1210 SDCZ OKPR 1200 radar reports
1230 FSXX OKPR 0000 (H+120)
- 90/576
1240 SMXX OKPR 1200 with plotted data
- 120/576
1310 SDCZ OKPR 1300 radar reports
1410 SDCZ OKPR 1400 radar reports
- 90/576
1450 UXXX OKPR 0900 TEMP 11467, 11653
- 120/576
1510 SDCZ OKPR 1500 radar reports
1520 UXXX OKPR 1200
absolute topography 850/700/500/300 hPa
- 90/576
1540 SMXX OKPR 1500 with plotted data
1640 UXXX OKPR 1200 TEMP 11520, 11952
1650 UXXX OKPR 1200 TEMP 11722, 11535
- 120/576
1710 SDCZ OKPR 1700 radar reports
1740 ASXX OKPR 1200
1800 AUXX OKPR 1200 absolute topography 700 hPa,
relative topography 500/1000 hPa
(Monday - Saturday)
1810 SDCZ OKPR 1800 radar reports
- 90/576
1840 SMXX OKPR 1800 with plotted data
- 120/576
1910 SDCZ OKPR 1900 radar reports
1940 AUXX OKPR 1200 absolute topography 850 hPa
(Monday - Saturday)
2010 SDCZ OKPR 2000 radar reports
2110 SDCZ OKPR 2100 radar reports
- 90/576
2140 SMXX OKPR 2100 with plotted data
- 120/576
2210 SDCZ OKPR 2200 radar reports
2310 SDCZ OKPR 2300 radar reports

Prague Meteo 124.6 OLT 3

- 120/576
1620 SDCZ OKPR 1600 up to 150 km
- 120/576
1730 METEOR satellite picture Europe 1700 with
temperature diagram and Czechoslovakia insert
2120 SDCZ OKPR 2100
2130 METEOR satellite picture Europe 2100 with
temperature diagram and Czechoslovakia insert

DENMARK

Copenhagen Meteo	5850.0	OXT
	9360.0	OXT
	13855.0	OXT
	17510.0	OXT

- 120/576
0003 STGL EKMI ice chart
0028 STGL EKMI ice chart
0943 STGL EKMI ice chart
1008 STGL EKMI ice chart
1153 STGL EKMI ice chart
1218 STGL EKMI ice chart
1243 STGL EKMI ice chart
1308 STGL EKMI ice chart
1333 STGL EKMI ice chart
1803 STGL EKMI ice chart
1828 STGL EKMI ice chart

EGYPT

Cairo Meteo	4526.0	SUU
	10123.0	SUU

- 120/576
0000 FSEG HECA VT0600
0020 ASEG HECA 1800
0340 FUEG HECA VT1200 500 hPa
0400 FUEG HECA VT1200 300 hPa
0420 FUEG HECA VT1200 200 hPa
0440 FBEG HECA VT1200
0500 FXEG HECA VT1200 tropopause, maximum wind
0520 FUEG HECA VT1200 700 hPa
0540 FUEG HECA VT1200 250 hPa
0600 FSEG HECA VT1200
0700 ASEG HECA 0000
0720 AUEG HECA 0000 700 hPa
0740 AUEG HECA 0000 500 hPa
0800 AUEG HECA 0000 300 hPa
0820 AUEG HECA 0000 250 hPa
0840 AUEG HECA 0000 200 hPa
0900 AUEG HECA 0000 tropopause, maximum wind
0920 AUEG HECA 0000 100 hPa
0940 FUEG HECA VT1800 500 hPa
1000 FUEG HECA VT1800 300 hPa
1020 FUEG HECA VT1800 200 hPa
1040 FBEG HECA VT1800
1100 FXEG HECA VT1800 tropopause, maximum wind
1120 FUEG HECA VT1800 700 hPa
1140 FUEG HECA VT1800 250 hPa
1200 FSEG HECA VT1800
1220 ASEG HECA 0600
1240 ANEG HECA
1540 FUEG HECA VT0000 500 hPa
1600 FUEG HECA VT0000 300 hPa
1620 FUEG HECA VT0000 200 hPa
1640 FBEG HECA VT0000
1700 FXEG HECA VT0000 tropopause, maximum wind
1720 FUEG HECA VT0000 700 hPa
1740 FUEG HECA VT0000 250 hPa
1800 FSEG HECA VT0000
1900 ASEG HECA 1200
1920 AUEG HECA 1200 700 hPa
1940 AUEG HECA 1200 500 hPa
2000 AUEG HECA 1200 300 hPa
2020 AUEG HECA 1200 250 hPa
2040 AUEG HECA 1200 200 hPa
2100 AUEG HECA 1200 tropopause, maximum wind
2120 AUEG HECA 1200 100 hPa
2140 FUEG HECA VT0600 500 hPa
2200 FUEG HECA VT0600 300 hPa
2220 FUEG HECA VT0600 200 hPa
2240 FBEG HECA VT0600
2300 FXEG HECA VT0600 tropopause, maximum wind
2320 FUEG HECA VT0600 700 hPa
2340 FUEG HECA VT0600 250 hPa

GERMANY (FEDERAL REPUBLIC OF)

Grengel Meteo	2342.5	DHJ 51
	2822.0	DHN 37
	4570.5	DHJ 51

- 120/576
0225 6-panel "EDZX NR 9ZX55 T. LOG P. ... 00Z" pressure/temperature diagrams of various stations
0247 6-panel "EDZX NR 9ZX56 T. LOG P. ... 00Z" pressure/temperature diagrams of various stations
0307 "GEOPOT 500/850 HPA 00Z+00/24H LFM ...
TEMP 500/850 HPA 00Z+00/24H LFM ...
EDZX NR 9ZX65" North Atlantic, Europe
0350 "C.T.F." chart
English Channel / North Sea area
0400 "SYNOP 03Z EDZX NR 9ZX62" Central Europe
0423 "GEOPOT 400 HPA 00Z+12/24H LFM ...
TEMP 400 HPA 00Z+12/24H LFM ...
DDDFF 400 HPA 00Z+12/24H LFM ...
FL240X EDZX NR 9ZX46" North Atlantic, Europe
0528 "TIEFFLUGWETTER-UEBERWACHUNG 05Z ...
EDZX NR 9ZY56" West Germany
0547 "MESOSCALE-VORHERSAGE EDZX NR 9ZY91" 0000
(H+12, H+24, H+36) Central Europe
0700 "SYNOP 06Z EDZX NR 9ZX63"
West and Central Europe
- 120/288
0723 "EDZX 9ZX02 CTA ..0600Z" Central Europe
- 120/576
0733 "TIEFFLUGWETTER-UEBERWACHUNG 07Z ...
EDZX NR 9ZY58" West Germany
0754 "MESOSCALE-VORHERSAGE EDZX NR 9ZZ71" 0000
(H+12, H+24, H+36) Central Europe
0816 6-panel "UPAIR 06Z EDZX NR 9ZX72"
300/400/500/700/850/1000 hPa Europe
0835 "TIEFFLUGWETTER-UEBERWACHUNG 08Z ...
EDZX NR 9ZY59" West Germany

0858 3-panel "SEEGANGSVORHERSAGE ANALYSE/PROGNOSE
... 00 Z + 00/24/36 H EDZX 9ZX92 HFSV"
North Sea
- 240/288
0924 AUEU EDZW 0000
500 hPa contour lines (gpdam), isotherms (°C)
FUEU EDZW 0000 (H+24, H+48, H+72) 850 hPa
contour lines (gpdam), isotherms (°C) (BKF)
0935 FUEU EDZW 0000 (H+24) 700/300/200/100 hPa
contour lines (gpdam), isotherms (°C) (BKF)
0950 UNID chart
- 120/576
1000 "SYNOP 09Z EDZX NR 9ZX61"
West and Central Europe
1022 4-panel "UPAIR EDZX Germany NR 9YY04"
400/500/700/850 hPa Red Sea area
1035 "EDZX Nr. 9ZX51 RR-SUMMEN/RR-PROG"
Central Europe
1058 "EDZX NR 9ZX52 SCHNEEHOEHENKARTE" West Germany
1300 "SYNOP 12Z EDZX NR 9ZX65"
West and Central Europe
- 120/288
1324 "EDZX 9ZX03 CTA ..1200Z" Central Europe
1334 "BODENZUSTANDS-VORHERSAGE SÜD" VT0600 Alpen,
Bayrischer Wald, Hochschwarzwald, Oberpfalz
- 120/576
1346 6-panel "EDZX NR 9ZY37 T. LOG P. ... 12Z" pressure/temperature diagrams of various stations
1410 6-panel "EDZX NR 9ZX73 UPAIR 850/700/500/
400/300 hPa, 500/1000 hPa 12Z" Europe
1428 "GEOPOT 500/850 HPA 12Z+ 00H
TEMP 500/850 HPA 12Z+ 00H
EDZX NR 9ZY0." North Atlantic, Europe
1440 6-panel "EDZX NR 9ZY38 T. LOG P. ... 12Z" pressure/temperature diagrams of various stations
1500 "EDZX NR 9ZY08"
- 120/288
1600 surface prognosis map "EDZX Nr. 9ZX15"
Northern Europe
- 120/576
1607 surface analysis map "SYNOP 15Z" Western Europe
1624 "MESOSCALE-VORHERSAGE EDZX NR 9ZY94" 1200
(H+00, H+12, H+24, H+36) Central Europe
1639 "GEOPOT 400 HPA 12Z+12/24H LFM ...
WINDS 400 HPA 12Z+12/24H LFM ...
TEMP 400 HPA 12Z+12/24H LFM ...
FL240X EDZX NR 9ZX48" North Atlantic, Europe
1705 "EDZX Nr 9ZX15 C.T.F. ..0300-..0900"
English Channel / North Sea area
1725 "TIEFFLUGWETTER-UEBERWACHUNG 17Z ...
EDZX NR 9ZY68" West Germany
1745 "SEEGANGSVORHERSAGE ZEITLICHER VERLAUF
... 00Z + 36 H EDZX 9ZX93 HFSV"
for 9 North Sea positions
1840 "TIEFFLUGWETTER-UEBERWACHUNG 18Z ...
EDZX NR 9ZY69" West Germany
2015 6-panel "UPAIR 18Z EDZX NR 9ZX74"
300/400/500/700/800/1000 hPa Europe
2040 "TIEFFLUGWETTER-UEBERWACHUNG 20Z" West Germany
2200 "SYNOP 21Z EDZX NR 9ZX68"
West and Central Europe

Hamburg Meteo	3855.0	DDH 3
	7880.0	DDK 3
	13882.5	DDK 6

- 120/576
0500 AUEU EDZW 0000 850 hPa with plotted data
0520 ASEU EDZW 0000 with plotted data
0540 AUEU EDZW 0000 500 hPa with plotted data
0600 FSEU EDZW 0000 (H+24)
FUEU EDZW 0000 500/1000 hPa (H+24)
0611 ASEU/AUEU/FSEU/FUEU EDZW 0000 analysis,
prognosis (H+24, H+48, H+72) surface MSL
pressure (hPa), 850 hPa isotherms (°C), 700 hPa
relative humidity (%), 500 hPa contour lines
(gpdam) and isotherms (°C) (BKF)
0631 AUEU/FUEU EDZW 0000 850 hPa
analysis, prognosis (H+24, H+48, H+72)
contour lines (gpdam) and isotherms (°C)
0651 FSEU/FUEU EDZW 0000 (H+96, H+120, H+144)
surface MSL pressure (hPa), 850 hPa isotherms
(°C), 700 hPa relative humidity (%), 500 hPa
contour lines (gpdam) and isotherms (°C) (BKF)
0711 ASEU EDZW 0000
0731 FSEU EDZW 0000 (H+24)
FUEU EDZW 0000 500/1000 hPa (H+24)
0742 AUEU EDZW 0000 500 hPa
- 120/288
0852 sea surface temperatures North Sea
0906 ice conditions chart
West Baltic Sea and West Atlantic (irregularly)
- 120/576
0922 FSEU EDZW 0000 (H+48, H+72)
0933 FSEU EDZW 0600 (H+24)
FSEU EDZW 0600
12-hour amount of precipitation (BKN)
1000 ASEU EDZW 0600 with plotted data
1345 ice conditions chart Baltic Sea 0900
(irregularly)
1408 ASXN EDZW 0000 with plotted data
1430 - schedule (Monday)
- test chart (Thursday - Sunday)
1520 wave prediction North Atlantic 1200 (H+36)
1541 ice conditions chart Baltic Sea 0900
(irregularly)
(weekdays during a winter with large extension)
1557 ASEU EDZW 1200 with plotted data
1738 AUEU EDZW 1200 500 hPa
1758 FSEU EDZW 1200 (H+24)
FUEU EDZW 1200 500/1000 hPa (H+24)
1810 ASEU EDZW 1200 with plotted data
1841 AUEU/FUEU EDZW 1200 850 hPa
analysis, prognosis (H+24, H+48, H+72)
contour lines (gpdam) and isotherms (°C)
1941 ASEU/AUEU/FSEU/FUEU EDZW 1200 analysis,
prognosis (H+24, H+48, H+72) surface MSL
pressure (hPa), 850 hPa isotherms (°C), 700 hPa
relative humidity (%), 500 hPa contour lines
(gpdam) and isotherms (°C) (BKF)

2001 - 5-day mean sea surface temperature North Atlantic (Tuesday, Friday)
- ASEU/AUEU/FSEU/FUEU EDZW 1200 analysis, prognosis (H+24, H+48, H+72) surface MSL pressure (hPa), 850 hPa isotherms (°C), 700 hPa relative humidity (%), 500 hPa contour lines (gpdam) and isotherms (°C) (BKF) (Monday, Wednesday, Thursday, Saturday, Sunday)
2021 sea ice observations
2042 - ice conditions chart Baltic Sea 1500 (irregularly) (Monday to Friday)
- ice conditions chart Baltic Sea 0900 (irregularly) (Saturday, Sunday)
- 120/288
2126 ice conditions chart West Atlantic (irregularly)
- 120/576
2140 wave prediction North Atlantic 1200 (H+36)
2201 ASEU EDZW 1800 with plotted data
2241 FSEU EDZW 1800 (H+24)
FSEU EDZW 1800
12-hour amount of precipitation (BKN)

Offenbach Meteo 117.4 DCF 37

- 120/576
0000 FUXX EGLL 1200 NAT FL340 VT1200
0012 FUXX EGLL 1200 NAT FL300 VT1200
0024 FUXX EGLL 1200 NAT FL390 VT1200
0036 FUXX EGLL 1200 NAT FL180 VT1200
0055 FUEU20 EDZW 1200 EUR FL390 VT1200
FUEU30 EDZW 1200 EUR FL300 VT1200
0117 FUEU25 EDZW 1200 EUR FL340 VT1200
0129 FUEU40 EDZW 1200 EUR FL240 VT1200
FUEU50 EDZW 1200 EUR FL180 VT1200
0151 FUEU70 EDZW 1200 EUR FL100 VT1200
FUEU85 EDZW 1200 EUR FL50 VT1200
0224 FBXX EGLL NAT FL 250-150 VT1200
significant weather, tropopause, maximum wind
0236 FBXX EDZW MID FL 250-450 VT1200
significant weather, tropopause, maximum wind
0248 FBEU EDZW EUR FL 100-450 VT1200
significant weather, tropopause, maximum wind
0301 FUAF LFPW 1200 AFI FL300 VT1200
0313 FUAF LFPW 1200 AFI FL340 VT1200
0325 FBAF LFPW 1200 AFI VT1200
significant weather
0337 FBEU EDZW CEU surface - FL100 VT1200
significant weather
0507 UXEU3 EDZW 0000 TEMP, RAWIN list 3
(Stüve diagram up to 225 hPa)
0530 FUXX20 EDZW 0000 MID FL390 VT1800
FUXX30 EDZW 0000 MID FL300 VT1800
0552 FUXX25 EDZW 0000 MID FL340 VT1800
0606 FUXX EGLL 0000 NAT FL340 VT1800
0618 FUXX EGLL 0000 NAT FL300 VT1800
0630 FUXX EGLL 0000 NAT FL390 VT1800
0642 FUXX EGLL 0000 NAT FL180 VT1800
0655 FUEU20 EDZW 0000 EUR FL390 VT1800
FUEU30 EDZW 0000 EUR FL300 VT1800
0717 FUEU25 EDZW 0000 EUR FL340 VT1800
0729 FUEU40 EDZW 0000 EUR FL240 VT1800
FUEU50 EDZW 0000 EUR FL180 VT1800
0751 FUEU70 EDZW 0000 EUR FL100 VT1800
FUEU85 EDZW 0000 EUR FL50 VT1800
0813 test chart
0824 FBXX EGLL NAT FL 250-450 VT1800
significant weather, tropopause, maximum wind
0836 FBXX EDZW MID FL 250-450 VT1800
significant weather, tropopause, maximum wind
0848 FBEU EDZW EUR FL 100-450 VT1800
significant weather, tropopause, maximum wind
0901 USEU EDZW 0000
plotted data, tropopause and maximum wind
0921 UXEU EDZW 0300 or 0600
TEMP, RAWIN - selected ascents
0941 FUXX LFPW 0000 EURSAM FL300 VT1800
0953 FUXX LFPW 0000 EURSAM FL340 VT1800
1005 FBXX LFPW 0000 EURSAM VT1800
significant weather
1125 FUXX20 EDZW 0000 MID FL390 VT0000
FUXX30 EDZW 0000 MID FL300 VT0000
1147 FUXX25 EDZW 0000 MID FL340 VT0000
1200 FUXX EGLL 0000 NAT FL340 VT0000
1212 FUXX EGLL 0000 NAT FL300 VT0000
1224 FUXX EGLL 0000 NAT FL390 VT0000
1236 FUXX EGLL 0000 NAT FL180 VT0000
1255 FUEU20 EDZW 0000 EUR FL390 VT0000
FUEU30 EDZW 0000 EUR FL300 VT0000
1317 FUEU25 EDZW 0000 EUR FL340 VT0000
1329 FUEU40 EDZW 0000 EUR FL240 VT0000
FUEU50 EDZW 0000 EUR FL180 VT0000
1351 FUEU70 EDZW 0000 EUR FL100 VT0000
FUEU85 EDZW 0000 EUR FL50 VT0000
1424 FBXX EGLL NAT FL 250-450 VT0000
significant weather, tropopause, maximum wind
1436 FBXX EDZW MID FL 250-450 VT0000
significant weather, tropopause, maximum wind
1448 FBEU EDZW EUR FL 100-450 VT0000
significant weather, tropopause, maximum wind
1501 FUAF LFPW 0000 AFI FL300 VT0000
1513 FUAF LFPW 0000 AFI FL390 VT0000
1525 FBAF LFPW 0000 AFI VT0000 significant weather
1537 FBEU EDZW CEU surface - FL100 VT0000
significant weather
1549 FUXX LFPW 0000 EURSAM FL300 VT0000
1601 FUXX LFPW 0000 EURSAM FL340 VT0000
1613 FBXX LFPW 0000 EURSAM VT0000
significant weather
1707 UXEU3 EDZW 1200 TEMP, RAWIN list 3
(Stüve diagram up to 225 hPa)
1730 FUXX20 EDZW 1200 MID FL390 VT0600
FUXX30 EDZW 1200 MID FL300 VT0600
1752 FUXX25 EDZW 1200 MID FL340 VT0600
1855 FUEU20 EDZW 1200 EUR FL390 VT0600
FUEU30 EDZW 1200 EUR FL300 VT0600
1917 FUEU25 EDZW 1200 EUR FL340 VT0600
1929 FUEU40 EDZW 1200 EUR FL240 VT0600
FUEU50 EDZW 1200 EUR FL180 VT0600
1951 FUEU70 EDZW 1200 EUR FL100 VT0600
FUEU85 EDZW 1200 EUR FL50 VT0600
2014 USEU EDZW 1200
plotted data, tropopause and maximum wind

2036 FBXX EDZW MID FL 250-450 VT0600 significant weather, tropopause, maximum wind
2048 FBEU EDZW EUR FL 100-450 VT0600 significant weather, tropopause, maximum wind
2325 FUXX20 EDZW 1200 MID FL390 VT1200
FUXX30 EDZW 1200 MID FL300 VT1200
2347 FUXX25 EDZW 1200 MID FL340 VT1200

Offenbach Meteo 134.2 DCF 54

- 120/576

0103 METEOSAT-infrared-channel-image Europe 0000
0122 SMEU EDZW 0000 plotted data
0144 METEOSAT-infrared-channel-image full disk 0000
0200 experimental transmission

- 240/576

0230 UXEU1 EDZW 0000 TEMP, RAWIN list 1 (Stüve diagram up to 225 hPa)
0241 UXEU2 EDZW 0000 TEMP, RAWIN list 2 (Stüve diagram up to 225 hPa)

- 120/576

0252 USEU EDZW 0000 plotted data 850/700/500/400/300/200 hPa
0315 METEOSAT-enhanced-infrared-channel-images Europe 2100/2300/0100/0200
0340 AUEU EDZW 0000 relative topography, 500/1000 hPa with plotted data
FXEU EDZW 0000 prognosis (H+12) stability field (KO) and vertical motion
0349 ASEU/AUEU/FSEU/FUEU EDZW 0000 analysis, prognosis (H+24) 500 hPa contour lines (gpdam), 700 hPa relative humidity, 850 hPa isotherms (°C), surface MSL pressure (hPa) (BKF)
0400 ASEU EDZW 0000 with plotted data
0420 SIEU EDZW 0300 plotted data

- 240/576

0440 AXEU EDZW 0000 analysis, prognosis (H+24)
AHEU EDZW 0000 vorticity advection
FXEU EDZW 0000 500 hPa, thickness
FHEU EDZW 0000 advection 500/1000 hPa (BKF)
0451 UXEU4 EDZW 0000 TEMP, RAWIN list 4 (Stüve diagram up to 225 hPa)

- 120/576

0457 AUEU EDZW 0000 500 hPa with plotted data
0517 FSEU EDZW 0000 (H+24)
FUEU EDZW 0000 (H+24) 500/1000 hPa (BKF)
0528 AUEU EDZW 0000 300 hPa with plotted data
0548 AUEU EDZW 0000 850/700 hPa with plotted data

- 240/576

0608 AUEU EDZW 0000 850 hPa contour lines (gpdam), isotherms (°C)
FUEU EDZW 0000 (H+24, H+48, H+72) 850 hPa contour lines (gpdam), isotherms (°C) (BKF)
0619 AUEU EDZW 0000 500 hPa contour lines (gpdam), isotherms (°C)
FUEU EDZW 0000 (H+24, H+48, H+72) 500 hPa contour lines (gpdam), isotherms (°C) (BKF)
0630 FUEU EDZW 0000 (H+24) 700/300/200/100 hPa contour lines (gpdam), isotherms (°C) (BKF)

- 120/576

0643 METEOSAT-infrared-channel-image Europe 0600
0701 AUEU EDZW 0000 200 hPa with plotted data
0721 SMEU EDZW 0600 plotted data
0741 FSEU/FUEU EDZW 0000 (H+12, H+36, H+60, H+84) 500 hPa contour lines (gpdam), isotherms (°C), surface MSL pressure (hPa), 850 hPa isotherms (°C), 700 hPa relative humidity (BKF)
0801 FSEU EDZW 0000 24-hour amount of precipitation (H+24, H+48, H+72) (BKN)
0810 FSEU/FUEU EDZW 0000 (H+96, H+120, H+144) 500 hPa contour lines (gpdam), isotherms (°C), surface MSL pressure (hPa), 850 hPa isotherms (°C), 700 hPa relative humidity (BKF)
0830 USEU EDZW 0600 plotted data 850/700/500/400/300/200 hPa
0852 METEOSAT-visual-channel-image Europe 0730, or METEOSAT-enhanced-infrared-channel-images Europe 0300/0500/0700/0800
0909 agrometeorological transmission No. 1
0922 FSEU EDZW 0000 (H+48, H+72)
0933 FSEU EDZW 0600 (H+24)
FSEU EDZW 0600 12-hour amount of precipitation 1800-0600 (mm) (BKN)
0944 SMEU EDZW extremes of temperature
SMDL EDZW extremes of temperature and amount of precipitation of previous 24 hours
1000 ASEU EDZW 0600 with plotted data
1020 SIEU EDZW 0900 plotted data

- 240/576

1040 test chart or

- 120/576

1040 AXDL EDZW thermopluviogram (10. of each month, or on the 12. if the 10. is a Sunday or Monday)
1050 AUXN EDZW 0000 300 hPa with plotted data
1112 FUXX KWBC 0000 500 hPa (H+48)
1125 FUXX KWBC 0000 500 hPa (H+72)
1138 agrometeorological transmission No. 2 or
SMEU EDZW heights of snow (Tuesday and Friday in winter; height of snow cover in cm)
1151 experimental transmission
1225 METEOSAT-visual-channel-image Europe 1030
1244 METEOSAT-infrared-channel-image Europe 1200
1300 METEOSAT-visual-channel-image Europe 1200
1319 SMEU EDZW 1200 plotted data
1340 FSEU EDZW VT1200
chart provided to press agencies
1350 experimental transmission
1408 ASXN EDZW 0000 with plotted data

- 240/576

1430 UXEU1 EDZW 1200 TEMP, RAWIN list 1 (Stüve diagram up to 225 hPa)
1441 UXEU2 EDZW 1200 TEMP, RAWIN list 2 (Stüve diagram up to 225 hPa)

- 120/576

1452 USEU EDZW 1200 plotted data 850/700/500/400/300/200 hPa

- 240/576

1512 UXEU4 EDZW 1200 TEMP, RAWIN list 4 (Stüve diagram up to 225 hPa)

- 120/576

1518 FUEU EDZW 1200 trajectories 950, 850, 700 hPa

1539 METEOSAT-enhanced-infrared-channel-images Europe 0900/1100/1300/1500
1557 ASEU EDZW 1200 with plotted data
1617 SIEU EDZW 1500 plotted data
1637 AUEU EDZW 1200 relative topography, 500/1000 hPa with plotted data
FXEU EDZW 1200 prognosis (H+12) stability field (KO) and vertical motion
- 240/576
1646 AXEU EDZW 1200 analysis, prognosis (H+24)
AHEU EDZW 1200 vorticity advection
FXEU EDZW 1200 500 hPa thickness
FHEU EDZW 1200 advection 500/1000 hPa (BKF)
- 120/576
1657 AUEU EDZW 1200 500 hPa with plotted data
1717 FSEU EDZW 1200 (H+24)
FUEU EDZW 1200 (H+24) 500/1000 hPa (BKF)
1728 AUEU EDZW 1200 300 hPa with plotted data
1748 AUEU EDZW 1200 850/700 hPa with plotted data
- 240/576
1808 FUEU EDZW 1200 700/300/200/100 hPa (H+24) contour lines (gpdam), isotherms (°C) (BKF)
1819 AUEU EDZW 1200 500 hPa contour lines (gpdam), isotherms (°C)
FUEU EDZW 1200 (H+24, H+48, H+72) 500 hPa contour lines (gpdam), isotherms (°C) (BKF)
1830 AUEU EDZW 1200 850 hPa contour lines (gpdam), isotherms (°C)
FUEU EDZW 1200 (H+24, H+48, H+72) 850 hPa contour lines (gpdam), isotherms (°C) (BKF)
- 120/576
1843 METEOSAT-infrared-channel-image Europe 1800
1901 AUEU EDZW 1200 200 hPa with plotted data
1921 SMEU EDZW 1800 plotted data
1941 FSEU/FUEU EDZW 1200 (H+24, H+48, H+72, H+96) 500 hPa contour lines (gpdam), isotherms (°C), surface MSL pressure (hPa), 850 hPa isotherms (°C), 700 hPa relative humidity (BKF)
2001 CSNT EDZW 5-day mean of water temperature (Tuesday and Friday)
2021 USEU EDZW 1800 plotted data 850/700/500/400/300/200 hPa
2143 METEOSAT-enhanced-infrared-channel-images Europe 1500/1700/1900/2100
2201 ASEU EDZW 1800 with plotted data
2221 SIEU EDZW 2100 plotted data
2241 FSEU EDZW 1800 (H+24)
FSEU EDZW 1800 12-hour amount of precipitation 0600-1800 (mm) (BKN)

Note: The stability field KO (isolines in °C) represents a smoothed vertical gradient of the potential equivalent:
KO less than zero: potentially unstable
KO equal to zero: indifferent
KO more than zero: stable

GREECE

USN Kato Soli	4053.5	NGR
	8639.5	NGR
	9255.0	NGR
	12759.0	NGR
	19019.0	NGR

(schedule see under USN Rota, Spain)

HAWAII

Honolulu Meteo	9982.5	KVM 70
	11090.0	KVM 70
	16135.0	KVM 70
	23331.5	KVM 70

- 120/576
0001 satellite infra-red imagery
0017 Pacific surface analysis
0039 tropical surface analysis
0053 weather forecast (H+36)
0107 significant wave heights forecast (H+36)
0533 test/identification/schedule
0547 significant cloud features
0601 satellite infra-red imagery
0617 Pacific surface analysis
0639 tropical surface analysis
0653 weather forecast (H+72)
1133 test/identification/schedule
1147 significant cloud features
1201 satellite infra-red imagery
1217 Pacific surface analysis
1239 tropical surface analysis
1253 weather forecast (H+36)
1307 significant wave heights forecast (H+36)
1733 test/identification/schedule
1747 significant cloud features
1801 satellite infra-red imagery
1817 Pacific surface analysis
1839 tropical surface analysis
1853 sea surface temperature analysis
2333 test/identification/schedule
2347 significant cloud features

USN Pearl Harbour	2122.0	NPM
	4855.0	NPM
	9398.0	NPM
	14828.0	NPM
	21839.0	NPM

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0000 - FFAX broadcast schedule (Sunday, Thursday)
- sea surface temperature analysis Hawaii area VT1200 (Monday)
- sea surface temperature analysis Southwest Pacific VT1200 (Tuesday)

0000 - 7 days storm track (Wednesday)
(c.) - sea surface temperature analysis South California VT1200 (Friday)
- sonic layer depth West VT1200 (Saturday)
0015 - FFAX broadcast schedule (continued) (Sunday, Thursday)
- sea surface temperature analysis North California VT1200 (Monday, Friday)
- sea surface temperature analysis Northwest Pacific VT1200 (Tuesday)
- open period (Wednesday)
- sonic layer depth East VT1200 (Saturday)
0030 850 hPa prognosis East Pacific VT1200 (H+24)
0045 700 hPa prognosis East Pacific VT1200 (H+24)
0100 400 hPa prognosis East Pacific VT1200 (H+24)
0115 250 hPa prognosis East Pacific VT1200 (H+24)
0130 500 hPa prognosis West Pacific VT1200 (H+24)
0145 500 hPa prognosis West Pacific VT1200 (H+36)
0200 500 hPa prognosis West Pacific VT1200 (H+48)
0215 significant wave prognosis West Pacific VT1200 (H+24)
0230 preliminary surface analysis East Pacific 0000
0245 preliminary surface analysis West Pacific 0000
0300 significant wave prognosis West Pacific VT1200 (H+48)
0315 500 hPa surface prognosis Polar Region VT1200 (H+24)
0329 1200 GOES IR picture Central sector
0345 1200 significant wave height visual analysis Polar Region
0400 700 hPa prognosis West Pacific VT1200 (H+24)
0415 400 hPa prognosis West Pacific VT1200 (H+24)
0430 250 hPa prognosis West Pacific VT1200 (H+24)
0445 significant wave height visual prognosis Polar Region VT1200 (H+24)
0500 tropical warning or open period
0515 0000 final surface analysis part 1 East Pacific
0536 0000 final surface analysis part 2 West Pacific
0559 0545 GOES IR picture Central sector
0618 0000 500 hPa analysis East Pacific
0632 0000 500 hPa analysis West Pacific
0646 surface prognosis East Pacific VT0000 (H+24)
0700 surface prognosis East Pacific VT0000 (H+36)
0715 surface prognosis East Pacific VT0000 (H+48)
0730 0000 significant wave height visual analysis East Pacific
0745 500 hPa prognosis East Pacific VT0000 (H+24)
0800 500 hPa prognosis East Pacific VT0000 (H+36)
0815 500 hPa prognosis East Pacific VT0000 (H+48)
0830 significant wave prognosis East Pacific VT0000 (H+24)
0845 0600 preliminary surface analysis East Pacific
0900 0600 preliminary surface analysis West Pacific
0915 significant wave prognosis East Pacific VT0000 (H+36)
0930 significant wave prognosis East Pacific VT0000 (H+48)
0945 surface prognosis West Pacific VT0000 (H+24)
1000 surface prognosis West Pacific VT0000 (H+36)
1015 surface prognosis West Pacific VT0000 (H+48)
1029 1015 GOES IR picture Central sector
1048 0600 final surface analysis part 1 East Pacific
1109 0600 final surface analysis part 2 West Pacific
1130 0000 surface pressure analysis Polar Region
1145 surface prognosis Polar Region VT0000 (H+24)
1215 500 hPa prognosis East Pacific VT0000 (H+72)
1230 850 hPa prognosis East Pacific VT0000 (H+24)
1245 700 hPa prognosis East Pacific VT0000 (H+24)
1300 400 hPa prognosis East Pacific VT0000 (H+24)
1315 250 hPa prognosis East Pacific VT0000 (H+24)
1330 500 hPa prognosis West Pacific VT0000 (H+24)
1345 500 hPa prognosis West Pacific VT0000 (H+36)
1400 500 hPa prognosis West Pacific VT0000 (H+48)
1415 significant wave prognosis West Pacific VT0000 (H+24)
1430 preliminary surface analysis East Pacific 1200
1445 preliminary surface analysis West Pacific 1200
1500 significant wave prognosis West Pacific VT0000 (H+48)
1515 500 hPa surface prognosis Polar Region VT0000 (H+24)
1529 0000 GOES IR picture Central sector
1545 0000 significant wave height visual analysis Polar Region
1600 700 hPa prognosis West Pacific VT0000 (H+24)
1615 400 hPa prognosis West Pacific VT0000 (H+24)
1630 250 hPa prognosis West Pacific VT0000 (H+24)
1645 significant wave height visual prognosis Polar Region VT0000 (H+24)
1700 tropical warning or open period
1715 1200 final surface analysis part 1 East Pacific
1736 1200 final surface analysis part 2 West Pacific
1759 1745 GOES VIS picture Central sector
1818 1200 500 hPa analysis East Pacific
1832 1200 500 hPa analysis West Pacific
1846 surface prognosis East Pacific VT1200 (H+24)
1900 surface prognosis East Pacific VT1200 (H+36)
1915 surface prognosis East Pacific VT1200 (H+48)
1930 1200 significant wave height visual analysis East Pacific
1945 500 hPa prognosis East Pacific VT1200 (H+24)
2000 500 hPa prognosis East Pacific VT1200 (H+36)
2015 500 hPa prognosis East Pacific VT1200 (H+48)
2030 significant wave prognosis East Pacific VT1200 (H+24)
2045 1800 preliminary surface analysis East Pacific
2100 1800 preliminary surface analysis West Pacific
2115 significant wave prognosis East Pacific VT1200 (H+36)
2130 significant wave prognosis East Pacific VT1200 (H+48)
2145 surface prognosis West Pacific VT1200 (H+24)
2200 surface prognosis West Pacific VT1200 (H+36)
2215 surface prognosis West Pacific VT1200 (H+48)
2230 1200 surface pressure analysis Polar Region
2248 1800 final surface analysis part 1 East Pacific
2309 1800 final surface analysis part 2 West Pacific
2329 2315 GOES VIS picture Central sector
2348 surface prognosis Polar Region VT1200 (H+24)

INDIA

Delhi Meteo	4993.5	ATA 55
	7403.0	ATP 57
	10107.5	ATE 60
	14842.0	ATV 65
	18233.0	ATQ 38

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0011 ASAS DEMS 1800 sea level
0030 AXAS80 DEMS 1200 800 hPa diagnostic wind
0048 AXAS40 DEMS 1200 400 hPa diagnostic wind
0124 FBAS DEMS 1800 for the period 0300-1500
0142 FXAS50 DEMS 1200 500 hPa contour (H+24)
0200 FXAS30 DEMS 1200 300 hPa contour (H+24)
0218 FUAS20 DEMS 1200 wind 200 hPa (H+24) PEM
0236 FUAS85 DEMS 1200 wind 850 hPa (H+48) PEM
0436 FUAS85 DEMS 1200 wind 850 hPa (H+24) PEM
0454 FUAS20 DEMS 1200 wind 200 hPa (H+48) PEM
0620 ASAS DEMS 0000 sea level
0710 AUAS85 DEMS 0000 850 hPa
0728 AUAS70 DEMS 0000 700 hPa
0746 AUAS50 DEMS 0000 500 hPa
0804 AUAS30 DEMS 0000 300 hPa
0822 FSAS DEMS 0000 sea level
0840 FBAS DEMS 0000 for the period 0900-2100
0900 AUAS20 DEMS 0000 200 hPa
1023 FUAS50 DEMS 0000 500 hPa
1041 FUAS30 DEMS 0000 300 hPa
1059 FUAS25 DEMS 0000 250 hPa
1117 FUAS20 DEMS 0000 200 hPa
1135 FXAS DEMS 0000 tropopause, maximum wind
1153 AUAS10 DEMS 0000 100 hPa
1211 ASAS DEMS 0600 sea level
1230 AXAS30 DEMS 1200 300 hPa relative vorticity
1248 FUAS85 DEMS 0000 wind 850 hPa (H+24) PEM
1324 FBAS DEMS 0600 for the period 1500-0300
1448 FUAS20 DEMS 0000 wind 200 hPa (H+24) PEM
1820 ASAS DEMS 1200 sea level
1840 AXAS85 DEMS 1200 850 hPa relative vorticity
1910 AUAS85 DEMS 1200 850 hPa
1928 AUAS70 DEMS 1200 700 hPa
1946 AUAS50 DEMS 1200 500 hPa
2004 AUAS30 DEMS 1200 300 hPa
2022 FSAS DEMS 1200 sea level
2040 FBAS DEMS 1200 for the period 2100-0900
2100 AUAS20 DEMS 1200 200 hPa
2136 AXAS50 DEMS 1200 500 hPa relative vorticity
2223 FUAS50 DEMS 1200 500 hPa
2241 FUAS30 DEMS 1200 300 hPa
2259 FUAS25 DEMS 1200 250 hPa
2317 FUAS20 DEMS 1200 200 hPa
2335 FXAS DEMS 1200 tropopause, maximum wind
2353 AUAS10 DEMS 1200 100 hPa

ITALY

Rome Meteo	4777.5	IMB 51
	8146.6	IMB 55
	13597.4	IMB 56

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0330 FBEU EDZW VT1200
0340 0000 TEMPs of Italy
0430 AXEU LIIB 0000 freezing level chart
AUEU LIIB 0000 850 hPa
0445 ASEU LIIB 0000
0500 APEU LIIB 0000 3-hour pressure changes chart
AUEU LIIB 0000 500 hPa
0515 AUEU LIIB 0000 700 hPa
AUEU LIIB 0000 300 hPa
0530 AUEU LIIB 0000 200 hPa
AUEU LIIB 0000 tropopause and maximum wind
0545 ANEU LIIB nephanalyses
FBEU LIIB VT1200
0610 FUXX LIIB VT1800 300/200 hPa
0630 FUXX LIIB VT1800 tropopause,
maximum wind and significant weather
0730 FUEU LIIB VT0000 700 hPa
FUEU LIIB VT0000 500 hPa
0745 FUEU LIIB VT0000 300 hPa
FUEU LIIB VT0000 200 hPa
0830 ANEU LIIB nephanalyses
0930 FBXX EGLL VT1800 NAT
0940 FUXX EGLL VT1800 NAT 500 hPa
0950 AUXN EGRR 0000 500 hPa hemispheric
1000 FBEU EDZW VT1800
1015 FUXX KWBC 500 hPa (H+48)
FSXX KWBC surface pressure (H+48) or
FUEU LIIB
FSEU LIIB
1030 FSEU LIIB 0600 (H+24)
APEU LIIB 0600 3-hour pressure changes
1045 ASEU LIIB 0600
1100 FUXX LIIB VT0000 300/200 hPa
1120 FUXX LIIB VT0000 tropopause,
maximum wind and significant weather
1140 FSXX LIIB VT0000 state of Mediterranean Sea
1150 FBEU LIIB VT1800
1240 FUEU LIIB 500 hPa (H+72)
FSEU LIIB surface pressure (H+72)
1255 FUEU LIIB 500 hPa (H+96)
FSEU LIIB surface pressure (H+96)
1530 FBEU EDZW VT0000
1540 TEMPs of Italy
1630 AXEU LIIB 1200 freezing level chart
AUEU LIIB 1200 850 hPa
1645 ASEU LIIB 1200
1700 APEU LIIB 1200 3-hour pressure changes charts
AUEU LIIB 1200 500 hPa
1715 AUEU LIIB 1200 700 hPa
AUEU LIIB 1200 300 hPa
1730 AUEU LIIB 1200 200 hPa
AUEU LIIB 1200 tropopause and maximum wind
1745 ANEU LIIB nephanalyses
FBEU LIIB VT0000

1810 FUXX LIIB VT0600 300/200 hPa
1830 FUXX LIIB VT0600 tropopause,
maximum wind and significant weather
1930 FUEU LIIB VT1200 700 hPa
FUEU LIIB VT1200 500 hPa
1945 FUEU LIIB VT1200 300 hPa
FUEU LIIB VT1200 200 hPa
2030 ANEU LIIB nephanalyses
2130 FBEU EDZW VT0600
2140 FUXX LIIB VT1200 300/200 hPa
2215 FUXX KWBC 500 hPa (H+48)
FSXX KWBC surface pressure (H+48) or
FUEU LIIB
FSEU LIIB
2230 FSXX LIIB VT1200 state of Mediterranean Sea
2240 FSEU LIIB VT1200
APEU LIIB 1800 3-hour pressure changes charts
2255 ASEU LIIB 1800
2310 FUXX LIIB VT1200 tropopause,
maximum wind and significant weather
2330 FBEU LIIB VT0600

JAPAN

Tokyo Meteo	3365.0	JMJ
	5405.0	JMJ 2
	9438.0	JMJ 3
	14692.5	JMJ 4
	18441.2	JMJ 5

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0013 FUXX RJTD 1200 FL390 wind, temperature (H+24)
0032 FUXX RJTD 1200 FL300 wind, temperature (H+24)
0051 FXAS502 RJTD 1200
500 hPa height, vorticity (H+24)
0110 FXAS782 RJTD 1200 850 hPa temperature, wind /
700 hPa vertical P-velocity (H+24)
0129 FSAS02 RJTD 1200
surface pressure, precipitation (H+24)
0148 MANAM manual amendments
(issued only when necessary)
0200 test chart
0223 FBAS RJTD 1200 retransmission of 2052
0735 AUPA25 RJTD 0000
250 hPa height, temperature, wind
0754 AUPA20 RJTD 0000
200 hPa height, temperature, wind
0814 FUPA502 RJTD 0000
500 hPa height, temperature, wind (H+24)
0833 FUPA252 RJTD 0000
250 hPa height, temperature, wind (H+24)
0852 FBAS RJTD 0000 significant weather (H+24)
0911 FBPN RJTD 0000 significant weather (H+24)
1000 FUXX RJTD 0000 FL340 wind, temperature (H+24)
1019 FUXX RJTD 0000 FL390 wind, temperature (H+24)
1038 FUXX RJTD 0000 FL300 wind, temperature (H+24)
1057 FUXX RJTD 0000 FL340 wind, temperature (H+24)
1116 FUXX RJTD 0000 FL390 wind, temperature (H+24)
1135 FUXX RJTD 0000 FL300 wind, temperature (H+24)
1154 FUXX RJTD 0000 FL340 wind, temperature (H+24)
1214 FUXX RJTD 0000 FL390 wind, temperature (H+24)
1232 FUXX RJTD 0000 FL300 wind, temperature (H+24)
1251 FXAS502 RJTD 0000
500 hPa height, vorticity (H+24)
1310 FXAS782 RJTD 0000 850 hPa temperature, wind /
700 hPa vertical P-velocity (H+24)
1329 FSAS02 RJTD 0000
surface pressure, precipitation (H+24)
1935 AUPA25 RJTD 1200
250 hPa height, temperature, wind
1954 AUPA20 RJTD 1200
200 hPa height, temperature, wind
2014 FUPA502 RJTD 1200
500 hPa height, temperature, wind (H+24)
2033 FUPA252 RJTD 1200
250 hPa height, temperature, wind (H+24)
2052 FBAS RJTD 1200 significant weather (H+24)
2111 FBPN RJTD 1200 significant weather (H+24)
2200 FUXX RJTD 1200 FL340 wind, temperature (H+24)
2219 FUXX RJTD 1200 FL390 wind, temperature (H+24)
2238 FUXX RJTD 1200 FL300 wind, temperature (H+24)
2257 FUXX RJTD 1200 FL340 wind, temperature (H+24)
2316 FUXX RJTD 1200 FL390 wind, temperature (H+24)
2335 FUXX RJTD 1200 FL300 wind, temperature (H+24)
2354 FUXX RJTD 1200 FL340 wind, temperature (H+24)

Tokyo Meteo	3622.5	JMH
	7305.0	JMH 2
	9970.0	JMH 3
	13597.0	JMH 4
	18220.0	JMH 5
	23522.9	JMH 6

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0002 AUAS85 RJTD 1200 retransmission of 1659
0021 FEAS509 RJTD 1200 500 hPa height, vorticity
(H+96) (Monday, Thursday)
FEAS09 RJTD 1200 surface pressure,
850 hPa temperature (H+96) (Monday, Thursday)
0033 FEAS512 RJTD 1200 500 hPa height, vorticity
(H+120) (Monday, Thursday)
FEAS12 RJTD 1200 surface pressure,
850 hPa temperature (H+120) (Monday, Thursday)
0045 FEAS514 RJTD 1200 500 hPa height, vorticity
(H+144) (Monday, Thursday)
FEAS14 RJTD 1200 surface pressure,
850 hPa temperature (H+144) (Monday, Thursday)
0103 test chart
0110 0000 meteorological satellite picture (GMS)
0130 FEAS516 RJTD 1200 500 hPa height, vorticity
(H+168) (Monday, Thursday)
FEAS16 RJTD 1200 surface pressure,
850 hPa temperature (H+168) (Monday, Thursday)
0142 FEAS519 RJTD 1200 500 hPa height, vorticity
(H+192) (Monday, Thursday)
FEAS19 RJTD 1200 surface pressure,
850 hPa temperature (H+192) (Monday, Thursday)
0154 AZXN50 RJTD 1200
500 hPa 5-day mean height tendency
0209 radio prediction (20. and 21. of each month)

0220 FOPN1 RJTD retransmission of 1120
COPN RJTD retransmission of 1146
SOJP RJTD retransmission of 1146
SOPN RJTD retransmission of 1146
COPA RJTD retransmission of 1146
0239 forecast valid for 1 or 3 months (10., 20. and last day of each month)
0253 MANAM manual amendments
0310 WTFE02 RJTD 0000 typhoon forecast (H+12, H+24) (in case of typhoon)
0320 ASAS RJTD 0000 with plotted data
0349 AUAS70 RJTD 0000 700 hPa height, temperature, dew point depression
0410 ASAS RJTD 0000 retransmission of 0320
0430 WTFE02 RJTD 0000 typhoon forecast (H+12, H+24) (in case of typhoon)
0440 AUAS50 RJTD 0000 500 hPa height with plotted data
0459 AUAS85 RJTD 0000 850 hPa height, temperature, dew point depression
0518 AUFE50 RJTD 0000 500 hPa height, vorticity
AXFE78 RJTD 0000 850 hPa temperature / 700 hPa vertical P-velocity
0529 FUFE502 RJTD 0000 500 hPa height, vorticity (H+24)
FSFE02 RJTD 0000 surface pressure, precipitation (H+24)
0540 FXFE572 RJTD 0000 500 hPa temperature / 700 hPa dew point depression (H+24)
FXFE782 RJTD 0000 850 hPa temperature, wind / 700 hPa vertical P-velocity (H+24)
0551 FUFE503 RJTD 0000 500 hPa height, vorticity (H+36)
FSFE03 RJTD 0000 surface pressure, precipitation (H+36)
0602 AWPN RJTD 0000 with plotted data
0621 AWJP RJTD 0000 with plotted data
0659 FXFE573 RJTD 0000 500 hPa temperature / 700 hPa dew point depression (H+36)
FXFE783 RJTD 0000 850 hPa temperature, wind / 700 hPa vertical P-velocity (H+36)
0710 0600 meteorological satellite picture (GMS)
0729 FWPN RJTD 0000 wave prognosis (H+24)
0749 AUAS30 RJTD 0000 300 hPa height, temperature, wind
0810 FSAS04 RJTD 0000 surface pressure, precipitation (H+48)
0829 FXAS504 RJTD 0000 500 hPa height, vorticity (H+48)
0849 FWJP RJTD 0000 wave prognosis (H+24)
0910 WTFE02 RJTD 0600 typhoon forecast (H+12, H+24) (in case of typhoon)
0920 ASAS RJTD 0600 with plotted data
0939 FEFE19 RJTD forecast valid for 1 week (Monday, Thursday)
0949 FSAS07 RJTD 0000 surface pressure, precipitation (H+72)
1010 ASAS RJTD 0600 retransmission of 0920
1030 WTFE02 RJTD 0900 typhoon forecast (H+12, H+24) (in case of typhoon)
1040 FXAS507 RJTD 0000 500 hPa height, vorticity (H+72)
1110 STPN RJTD sea ice condition (seasonal) (Tuesday, Friday)
1120 FOPN1 RJTD 10-day mean sea surface temperature, current (9., 19. and 29. of each month)
1135 FOPN2 RJTD 10-day mean sea surface temperature anomaly (9., 19. and 29. of each month)
1146 COPN RJTD 10-day mean sea surface temperature (2., 12. and 22. of each month)
SOJP RJTD sea surface current (6., 10., 16., 20., 26. and 30. of each month)
SOPN RJTD subsurface temperature at the depth of 100 m (7., 17. and 27. of each month)
COPA RJTD 10-day mean sea surface temperature anomaly (4., 14. and 24. of each month)
1210 CUXN50 RJTD 500 hPa 5-day mean height tendency (transmitted about 6 times a month, the date of which will be informed at 0253 UTC)
1229 CUXN10 RJTD 100 hPa 5-day mean height anomaly (seasonal) (transmitted about 6 times a month, the date of which will be informed at 0253 UTC)
1303 test chart
1310 1200 meteorological satellite picture (GMS)
1330 CSXN1 RJTD monthly mean pressure anomaly (4. of each month)
1349 CUXN51 RJTD 500 hPa monthly mean height anomaly (4. of each month)
1510 WTFE02 RJTD 1200 typhoon forecast (H+12, H+24) (in case of typhoon)
1520 ASAS RJTD 1200 with plotted data
1549 AUAS70 RJTD 1200 700 hPa height, temperature, dew point depression
1610 ASAS RJTD 1200 retransmission of 1520
1630 WTFE02 RJTD 1500 typhoon forecast (H+12, H+24) (in case of typhoon)
1640 AUAS50 RJTD 1200 500 hPa height with plotted data
1659 AUAS85 RJTD 1200 850 hPa height, temperature, dew point depression
1720 AUFE50 RJTD 1200 500 hPa height, vorticity
AXFE78 RJTD 1200 850 hPa temperature / 700 hPa vertical P-velocity
1731 FUFE502 RJTD 1200 500 hPa height, vorticity (H+24)
FSFE02 RJTD 1200 surface pressure, precipitation (H+24)
1742 FXFE572 RJTD 1200 500 hPa temperature, wind / 700 hPa dew point depression (H+24)
FXFE782 RJTD 850 hPa temperature, wind / 700 hPa vertical P-velocity (H+24)
1753 FUFE503 RJTD 1200 500 hPa height, vorticity (H+36)
FSFE03 RJTD 1200 surface pressure, precipitation (H+36)
1804 FXFE573 RJTD 1200 500 hPa temperature / 700 hPa dew point depression (H+36)
FXFE783 RJTD 850 hPa temperature, wind / 700 hPa vertical P-velocity (H+36)
1830 AUAS30 RJTD 1200 300 hPa height, temperature, wind
1910 1800 meteorological satellite picture (GMS)
1930 AUXN50 RJTD 1200 500 hPa height, temperature

1949 FSAS04 RJTD 1200
surface pressure, precipitation (H+48)
2010 FXAS504 RJTD 1200
500 hPa height, vorticity (H+48)
2030 FXAS784 RJTD 850 hPa temperature, wind /
700 hPa vertical P-velocity (H+48)
2049 FSAS07 RJTD 1200
surface pressure, precipitation (H+72)
2110 WTFE02 RJTD 1800 typhoon forecast (H+12, H+24)
(in case of typhoon)
2120 ASAS RJTD 1800 with plotted data
2149 FXAS507 RJTD 1200
500 hPa height, vorticity (H+72)
2210 FXAS787 RJTD 850 hPa temperature, wind /
700 hPa vertical P-velocity (H+72)
2230 WTFE02 RJTD 2100 typhoon forecast (H+12, H+24)
(in case of typhoon)
2307 AUFE50 RJTD 1200 retransmission of 1720
AXFE78 RJTD 1200 retransmission of 1720
2318 FUFE502 RJTD 1200 retransmission of 1731
FSFE02 RJTD 1200 retransmission of 1731
2330 ASAS RJTD 1800 retransmission of 2120
2349 FXFE572 RJTD 1200 retransmission of 1742
FXFE782 RJTD 1200 retransmission of 1742

USN Yokosuka	4963.0	NDT
	4967.0	NDT
	12777.0	NDT
	22324.5	NDT

(schedule see under USN Apra Harbour, Mariana Is.)

KENYA

Nairobi Meteo	6956.0	5YE
	9045.0	5YE
	10115.0	5YE
	10387.0	5YE
	11127.0	5YE
	17367.0	5YE
	22388.0	5YE

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0010 FBKN HKNC 1200 FL250 significant weather
0350 test chart
0400 FBKN HKNC 1800
FL250 significant weather (segment)
0540 FBKN HKNC 1800 FL 100-250 significant weather
0600 FBKN HKNC 1800 FL250 significant weather
0830 test chart
0844 FUKN HKNC 0000 500 hPa (H+24)
0903 FUKN HKNC 0000 300 hPa (H+24)
0922 FUKN HKNC 0000 250 hPa (H+24)
0941 FUKN HKNC 0000 200 hPa (H+24)
1000 FBKN HKNC 0000
FL250 significant weather (segment)
1017 FBKN HKNC 0000 FL 100-250 significant weather
1037 FBKN HKNC 0000 FL250 significant weather
1057 ASKN HKNC 0600
1112 AUKN HKNC 0600
1127 ASKN HKNC 0600 24-hour change of pressure
1142 FSKN HKNC 0600 (H+24)
1210 AUKN HKNC 0600 700 hPa
1229 AUKN HKNC 0600 500 hPa
1248 AUKN HKNC 0600 300 hPa
1307 AUKN HKNC 0600 250 hPa
1326 AUKN HKNC 0600 Indian Ocean
1345 ASKN HKNC 0600 Indian Ocean
1430 AUKN HKNC 1200 low level convergence zones
1455 ASKN HKNC 1200 24-hour change of pressure
1600 FBKN HKNC 0600
FL250 significant weather (segment)
1638 ASKN HKNC 1200
1653 AUKN HKNC 1200 850 hPa
1708 ASKN HKNC 1200 Indian Ocean
1722 FBKN HKNC 0600 FL 100-250 significant weather
1742 FBKN HKNC 0600 FL250 significant weather
1802 FSKN HKNC 1200 (H+24)
1820 AUKN HKNC 1200 700 hPa
1839 AUKN HKNC 1200 500 hPa
1858 AUKN HKNC 1200 300 hPa
1917 AUKN HKNC 1200 250 hPa
1936 AUKN HKNC 1200 200 hPa
2055 FUKN HKNC 1200 500 hPa (H+24)
2114 FUKN HKNC 1200 300 hPa (H+24)
2133 FUKN HKNC 1200 250 hPa (H+24)
2152 FUKN HKNC 1200 200 hPa (H+24)
2210 FBKN HKNC 1200
FL250 significant weather (segment)
2350 FBKN HKNC 1200 FL 100-250 significant weather

MARIANA ISLANDS

USN Apra Harbour	7894.0	NPN
	10257.0	NPN
	16022.0	NPN
	18443.0	NPN
	19858.0	NPN

0000 1200 200 hPa analysis Central Pacific
0015 200 hPa prognosis VT1200 (H+24) Central Pacific
0030 significant wave height prognosis VT1200 (H+36)
0045 - MLD analysis (Sunday - Friday)
- open (Saturday)
0100 - Pacific Ocean synopsis (Tuesday, Saturday)
- sea surface temperatures Seychelles
(Friday, Monday)
- sea surface temperatures North Pacific
(Sunday, Thursday)
- open (Saturday)
0115 700 hPa analysis Central Pacific
0130 700 hPa prognosis Central Pacific VT1200 (H+24)
0145 500 hPa prognosis West Pacific VT1200 (H+36)
0200 surface prognosis Indian Ocean VT1200 (H+36)
0215 850 hPa prognosis West Pacific VT1200 (H+36)
0230 0100 satellite image West Pacific
0250 300 hPa prognosis West Pacific VT1200 (H+36)

0305 500 hPa prognosis South Indian Ocean VT1200 (H+36)
0320 1200 preliminary surface analysis West Pacific
0335 1200 300 hPa analysis Central Pacific
0350 wind / sea / tropical cyclone warning
0405 1200 500 hPa SR analysis / prognosis (H+24, H+48, H+72)
0420 0000 surface analysis West Pacific
0435 surface prognosis West Pacific VT0000 (H+24)
0450 surface prognosis West Pacific VT0000 (H+36)
0505 0000 500 hPa analysis West Pacific
0520 0000 850 hPa analysis West Pacific
0535 0000 final surface analysis West Pacific
0555 0000 final surface analysis Southwest Pacific
0615 0000 final surface analysis Indian Ocean
0635 significant weather prognosis VT0000 (H+24)
0655 0000 significant wave height analysis
0715 0000 500 hPa analysis South Indian Ocean
0730 0000 300 hPa analysis West Pacific
0745 surface prognosis West Pacific VT0000 (H+48)
0800 surface prognosis West Pacific VT0000 (H+72)
0815 500 hPa prognosis West Pacific VT0000 (H+24)
0830 FBPS significant weather prognosis Southwest Pacific VT0600 (H+24)
0850 FBIO significant weather prognosis Indian Ocean VT0000 (H+24)
0910 0000 satellite image West Pacific
0930 700 hPa prognosis West Pacific VT0000 (H+24)
0945 850 hPa prognosis West Pacific VT0000 (H+24)
1000 wind / sea / tropical cyclone warning VT0000
1015 300 hPa prognosis West Pacific VT0000 (H+24)
1030 200 hPa prognosis West Pacific VT0000 (H+24)
1045 0000 500 hPa analysis Central Pacific
1100 500 hPa prognosis Central Pacific VT0000 (H+24)
1115 surface prognosis Indian Ocean VT0000 (H+24)
1130 0000 preliminary surface analysis West Pacific
1145 0000 850 hPa analysis Central Pacific
1200 0000 200 hPa analysis Central Pacific
1215 200 hPa prognosis VT0000 (H+24) Central Pacific
1230 significant wave height prognosis VT0000 (H+36)
1245 broadcast schedule (part 1)
1300 broadcast schedule (part 2)
1315 700 hPa analysis Central Pacific
1330 700 hPa prognosis Central Pacific VT0000 (H+24)
1345 500 hPa prognosis West Pacific VT0000 (H+36)
1400 surface prognosis Indian Ocean VT0000 (H+36)
1415 850 hPa prognosis West Pacific VT0000 (H+36)
1430 1200 satellite image South Indian Ocean
1450 300 hPa prognosis West Pacific VT0000 (H+36)
1505 500 hPa prognosis South Indian Ocean VT0000 (H+36)
1520 0000 preliminary surface analysis West Pacific
1535 0000 300 hPa analysis Central Pacific
1550 wind / sea / tropical cyclone warning
1605 0000 500 hPa SR analysis / prognosis (H+24, H+48, H+72)
1620 1200 surface analysis West Pacific
1635 surface prognosis West Pacific VT1200 (H+24)
1650 surface prognosis West Pacific VT1200 (H+36)
1705 1200 500 hPa analysis West Pacific
1720 1200 850 hPa analysis West Pacific
1735 1200 final surface analysis West Pacific
1755 1200 final surface analysis Southwest Pacific
1815 1200 final surface analysis Indian Ocean
1835 significant weather prognosis VT1200 (H+24)
1855 1200 significant wave height analysis
1915 1200 500 hPa analysis South Indian Ocean
1930 1200 300 hPa analysis West Pacific
1945 surface prognosis West Pacific VT1200 (H+48)
2000 surface prognosis West Pacific VT1200 (H+72)
2015 500 hPa prognosis West Pacific VT1200 (H+24)
2030 FBPS significant weather prognosis Southwest Pacific VT1800 (H+24)
2050 FBIO significant weather prognosis Indian Ocean VT1200 (H+24)
2110 1200 satellite image West Pacific
2130 700 hPa prognosis West Pacific VT1200 (H+24)
2145 850 hPa prognosis West Pacific VT1200 (H+24)
2200 wind / sea / tropical cyclone warning VT1200
2215 300 hPa prognosis West Pacific VT1200 (H+24)
2230 200 hPa prognosis West Pacific VT1200 (H+24)
2245 1200 500 hPa analysis Central Pacific
2300 500 hPa prognosis Central Pacific VT1200 (H+24)
2315 surface prognosis Indian Ocean VT1200 (H+24)
2330 1200 preliminary surface analysis West Pacific
2345 1200 850 hPa analysis Central Pacific

NEW ZEALAND

Auckland Meteo	5807.0	ZKLF
	9459.0	ZKLF
	13550.0	ZKLF
	16340.1	ZKLF

- 120/576
0000 significant weather prognosis VT1200
0015 sea swell forecast New Zealand VT0000/1800
0030 250 hPa prognosis East Pacific VT1200 (H+24)
0045 700 hPa prognosis VT1800 (H+30)
0100 250 hPa analysis 1800
0115 250 hPa prognosis VT1200 (H+24)
0300 0000 MSL analysis
0315 significant weather prognosis North Pacific VT1200
0330 0000 MSL analysis Southwest Pacific
0400 significant weather prognosis Asia VT1200
0430 MSL marine weather prognosis Southwest Pacific VT1200
0445 FAX schedule
0545 sea swell forecast New Zealand VT0600/0000
0600 significant weather prognosis VT1800
0615 500 hPa analysis 0000
0700 250 hPa analysis 0000
0730 250 hPa prognosis VT1800 (H+30)
0800 500 hPa prognosis VT0000 (H+24)
0815 700 hPa prognosis VT0000 (H+24)
0830 significant weather prognosis North Pacific VT1800
0945 MSL analysis 0600
1000 250 hPa prognosis North Pacific VT0000 (H+24)
1015 250 hPa prognosis North Pacific VT0600 (H+30)

1030 ML WMC MSL analysis South Pacific 0000
1045 500 hPa prognosis VT0600 (H+30)
1100 700 hPa prognosis VT0600 (H+30)
1115 significant weather prognosis Asia VT1800
1130 MSL maritime weather prognosis Southwest Pacific VT1800
1200 significant weather prognosis VT0000
1300 250 hPa analysis 0600
1315 250 hPa prognosis VT0000 (H+24)
1500 MSL analysis 1200
1515 significant weather prognosis North Pacific VT0000
1530 MSL analysis Southwest Pacific 1200
1600 MSL prognosis Southwest Pacific VT1200 (H+24)
1615 significant weather prognosis Asia VT0000
1630 MSL maritime weather prognosis Southwest Pacific VT0000
1645 FAX schedule
1745 sea swell forecast New Zealand VT1800/1200
1830 500 hPa analysis 1200
1845 significant weather prognosis VT0600
1900 250 hPa analysis 1200
1915 250 hPa prognosis VT0600 (H+30)
2000 500 hPa prognosis VT1200 (H+24)
2015 700 hPa prognosis VT1200 (H+24)
2030 significant wx prognosis North Pacific VT0600
2145 MSL analysis 1800
2200 significant weather prognosis Asia VT0600
2215 250 hPa prognosis North Pacific VT1200 (H+24)
2230 250 hPa prognosis North Pacific VT1800 (H+30)
2245 ML WMC MSL South Pacific analysis 1200
2300 significant weather prognosis East Pacific VT1200
2315 500 hPa prognosis VT1800 (H+30)
2330 MSL maritime weather prognosis Southwest Pacific VT0600
2345 MSL prognosis Southwest Pacific VT1200 (H+42)

PHILIPPINES

USN Subic Bay	10968.0	NPO
	15927.0	NPO

(schedule see under USN Apra Harbour, Mariana Is.)

SAUDI ARABIA

Jeddah Meteo	3560.0	HZN
	5452.0	HZN
	10296.0	HZN

- 120/576
0350 test chart
0400 ASXX OEJD 0000 with plotted data
0520 test chart
0530 AUXX OEJD 0000 850 hPa
0550 AUXX OEJD 0000 700 hPa
0610 AUXX OEJD 0000 500 hPa
0630 AUXX OEJD 0000 300 hPa
0650 AUXX OEJD 0000 250 hPa
0710 AUXX OEJD 0000 200 hPa
1000 ASXX OEJD 0600 with plotted data
1128 test chart
1138 FUSD OEJD VT0000 700hPa (H+18)
1150 FUSD OEJD VT0000 500hPa (H+18)
1202 FUSD OEJD VT0000 300hPa (H+18)
1214 FUSD OEJD VT0000 250hPa (H+18)
1226 FUSD OEJD VT0000 200hPa (H+18)
1238 FUSD OEJD VT0000 significant weather (H+18)
1250 FUXX OEJD VT0000 tropopause, maximum wind
1302 FUXX OEJD VT0000 300 hPa (H+18)
1314 FUXX OEJD VT0000 250 hPa (H+18)
1326 FUXX OEJD VT0000 200 hPa (H+18)
1338 FUXX OEJD VT0000 significant weather (H+18)
1350 FUXX OEJD VT0000 tropopause, maximum wind
1402 FUXX OEJD VT0000 300 hPa (H+18)
1414 FUXX OEJD VT0000 250 hPa (H+18)
1426 FUXX OEJD VT0000 200 hPa (H+18)
1520 test chart
1530 ASXX OEJD 1200 with plotted data
1650 test chart
1700 AUXX OEJD 1200 850 hPa
1720 AUXX OEJD 1200 700 hPa
1740 AUXX OEJD 1200 500 hPa
1800 AUXX OEJD 1200 300 hPa
1820 AUXX OEJD 1200 250 hPa
1840 AUXX OEJD 1200 200 hPa
2030 FUXX OEJD VT1200 significant weather (H+18)
2042 FUXX OEJD VT1200 tropopause, maximum wind
2054 FUXX OEJD VT1200 300 hPa (H+18)
2106 FUXX OEJD VT1200 250 hPa (H+18)
2108 FUXX OEJD VT1200 200 hPa (H+18)
2120 FUXX OEJD VT1200 significant weather (H+18)
2132 FUXX OEJD VT1200 tropopause, maximum wind
2144 FUXX OEJD VT1200 300 hPa (H+18)
2156 FUXX OEJD VT1200 250 hPa (H+18)
2208 FUXX OEJD VT1200 200 hPa (H+18)
2220 ASXX OEJD 1800 with plotted data
2246 test chart
2256 FUSD OEJD VT1200 significant weather (H+18)
2306 FUSD OEJD VT1200 700hPa (H+18)
2320 FUSD OEJD VT1200 500hPa (H+18)
2332 FUSD OEJD VT1200 300hPa (H+18)
2344 FUSD OEJD VT1200 250hPa (H+18)
2356 FUSD OEJD VT1200 200hPa (H+18)

SOUTH AFRICA (REPUBLIC OF)

Pretoria Meteo	4014.0	ZRO	5
	7508.0	ZRO	2
	13538.0	ZRO	3
	18238.0	ZRO	4

- 120/576
0445 XXZA FAPR facsimile schedule

0515 ASZA FAPR 0300 seaward analysis of the area only, depending on available information; bi-level chart: analysis over continent for the 850 hPa level, contours at intervals of 10 gpm
0630 FU.. FAPR ECMWF upper-air prognoses VT1200
0710 AOZA FAPR 10-day mean surface temperature (Eastern coastal waters Monday, Wednesday, Friday; Western coastal waters Tuesday, Thursday, Saturday)
0730 FS.. FAPR ECMWF surface prognoses VT1200
0800 northern ice limit
0830 AHAP FAPR 0000 1000/300 hPa
0900 AUXS FAPR 0000 500 hPa computer analysis
0920 FS.. FAPR ECMWF surface prognoses VT1200
1000 ASZA FAPR 0600
1445 ASZA FAPR 1200
1800 AUXS FAPR 1200 500 hPa computer analysis
1820 AS.. FAPR 1200 ECMWF surface analysis

SPAIN

Madrid Meteo	3650.0	
	6918.5	ECA 7
	10250.0	

- 120/576
0105 FUEU EDZW 1200 300 hPa (H+24)
0139 FUEU EDZW 1200 500 hPa (H+24)
0151 FUEU EDZW 1200 700 hPa (H+24)
FUEU EDZW 1200 850 hPa (H+24)
0400 ASSP LEMM 0000
AUSP LEMM 0000 300 hPa
- 60/576
0424 SMSP LEMM 0000
- 120/576
0454 AUSP LEMM 0000 500 hPa
0518 FUSA LEMM 0000 300 hPa VT1200
FBSA LEMM 0000 significant weather VT1200
FUSA LEMM 0000 200 hPa VT1200
FUSA LEMM 0000 250 hPa tropopause VT1200
0555 AXSP LEMM 0000 significant weather
AUSP LEMM 0000 700 hPa
0620 AUSP LEMM 0000 850 hPa
FBSP LEMM 0000 VT0900
0700 FSSP LEMM 0000 (H+12)
0725 FSSP LEMM 0000 (H+24)
- 60/576
0748 SMSP LEMM 0600
- 120/576
0820 AUSP LEMM 0000 200 hPa
0900 FUSP LEMM 1200 500/850/1000 hPa ECMWF (H+24, H+48, H+72)
0950 FUEU EDZW 0000 500 hPa (H+24)
FUEU EDZW 0000 700 hPa (H+24)
1015 FUSA LEMM 0000 300 hPa VT1800
FBSA LEMM 0000 significant weather VT1800
FUSA LEMM 0000 200 hPa VT1800
FUSA LEMM 0000 250 hPa tropopause VT1800
1055 AXSP LEMM 0600 wave analysis
1115 FUEU EDZW 0000 300 hPa (H+24)
1127 FSSP LEMM 1200 (H+48 or +60)
1140 FSSP LEMM C000 (H+24)
FUEU EDZW 0000 850 hPa (H+24)
1205 FXSP LEMM 1200 wave prognosis VT0000
1304 FUEU EDZW 0000 300 hPa (H+24)
1338 FUEU EDZW 0000 500 hPa (H+24)
1351 FUEU EDZW 0000 700 hPa (H+24)
FUEU EDZW 0000 850 hPa (H+24)
1545 AUSP LEMM 1200 500 hPa
ASSP LEMM 1200
1610 FUSA LEMM 1200 300 hPa VT0000
FBSA LEMM 1200 significant weather VT0000
FUSA LEMM 1200 200 hPa VT0000
FUSA LEMM 1200 250 hPa tropopause VT0000
1650 SOSP LEMM 0600 sea surface temperature
AXSP LEMM 1200 wave analysis
1725 AUSP LEMM 1200 300 hPa
1748 AXSP LEMM 1200 significant weather
AUSP LEMM 1200 700 hPa
1810 FBSP LEMM 1200 VT0600
FBSP LEMM 1200 VT1200
1820 AUSP LEMM 1200 850 hPa
1904 FUEU EDZW 1200 300 hPa (H+24)
1938 FUEU EDZW 1200 500 hPa (H+24)
1951 FUEU EDZW 1200 700 hPa (H+24)
FUEU EDZW 1200 850 hPa (H+24)
2200 FUSA LEMM 1200 300 hPa VT0600
FBSA LEMM 1200 significant weather VT0600
FUSA LEMM 1200 200 hPa VT0600
FUSA LEMM 1200 250 hPa tropopause VT0600

USN Rota	4704.0	AOK
	5785.0	AOK
	9382.5	AOK
	9875.0	AOK
	17585.0	AOK

- 120/576
0003 CP NOGAPS GG Theta prognosis VT0000 (H+36)
0017 CP NMC surface pressure prognosis VT1200 (H+48)
0031 MFAX transmission schedule part 1
0045 MFAX transmission schedule part 2
0059 FSP in house prepared product severe weather/icing/turbulence prognosis VT1200 (H+24)
0113 CP NOGAPS Middle East 1200 surface pressure/wind analysis
0127 CP NOGAPS Middle East 1200 surface pressure/wind prognosis VT0000 (H+36)
0141 CP NOGAPS Middle East 1200 500 hPa height/temperature/wind analysis
0155 CP NOGAPS Middle East 500 hPa height/temperature/wind prognosis VT0000 (H+36)
0209 CP NOGAPS Middle East 300 hPa height/temperature/wind prognosis VT0000 (H+36)
0223 CP NOGAPS West Mediterranean 0000 sea surface temperature analysis
0237 CP NOGAPS East Mediterranean 1200 sea surface temperature analysis
0251 CP NOGAPS 0000 surface pressure preliminary analysis (4 hPa winter / 2 hPa summer)

0321	FSP East Mediterranean satellite picture
0335	FSP West Mediterranean satellite picture
0349	FSP in house prepared product FSME LERT retransmission VT0000
0403	CP NORAPS 0000 500 hPa analysis
0417	CP NORAPS surface pressure prognosis VT1200 (H+36)
0431	FSP NORAPS 0000 surface pressure analysis (hand-enhanced)
0445	CP NORAPS 500 hPa prognosis VT1200 (H+36)
0459	CP NORAPS surface pressure prognosis VT0000 (H+48)
0513	CP NOGAPS 0000 surface pressure analysis (final) (4 hPa intervals)
0527	CP NOGAPS 0000 500 hPa height/temperature/wind analysis
0541	CP NOGAPS 0000 850 hPa height/temperature/wind analysis
0555	FSP in house prepared product test chart
0609	CP NOGAPS 0000 250 hPa height/isotach/wind analysis
0623	CP NOGAPS 0000 400 hPa height/temperature/wind analysis
0637	CP NOGAPS 0000 925 hPa height/temperature/wind analysis
0651	CP NOGAPS 0000 700 hPa height/temperature/wind analysis
0705	CP NOGAPS 0000 500 hPa SD/SR analysis
0719	CP NOGAPS surface pressure/wind prognosis VT0000 (H+24)
0733	CP NOGAPS 500 hPa height/temperature/wind prognosis VT0000 (H+24)
0747	CP NOGAPS 850 hPa height/temperature/wind prognosis VT0000 (H+24)
0801	CP NOGAPS 250 hPa height/isotach/wind prognosis VT0000 (H+24)
0815	CP NOGAPS 400 hPa height/temperature/wind prognosis VT0000 (H+24)
0829	CP NOGAPS 925 hPa height/temperature/wind prognosis VT0000 (H+24)
0843	CP NOGAPS 700 hPa height/temperature/wind prognosis VT0000 (H+24)
0857	FSP in house prepared product 0600 nephanalysis
0911	FSP in house prepared product FSME LERT (surface pressure/wind prognosis VT1200 (H+36))
0927	CP NOGAPS 0600 surface pressure preliminary analysis (4 hPa winter / 2 hPa summer)
0941	CP NOGAPS surface pressure/wind prognosis VT1200 (H+36)
0955	CP NOGAPS 850 hPa height/temperature/wind prognosis VT1200 (H+36)
1009	CP NOGAPS 500 hPa height/temperature/wind prognosis VT1200 (H+36)
1023	CP NOGAPS 700 hPa height/temperature/wind prognosis VT1200 (H+36)
1037	CP NOGAPS 250 hPa height/isotach/wind prognosis VT1200 (H+36)
1051	CP NOGAPS 500 hPa SD/SR prognosis VT1200 (H+36)
1105	FSP in house prepared product OSME LERT (significant wave height prognosis VT1200 (H+36))
1119	FSP in house prepared product HRD LERT (refract prognosis VT1200 (H+12))
1135	CP NOGAPS surface pressure/wind prognosis VT0000 (H+48)
1149	CP NOGAPS 500 hPa height/temperature/wind prognosis VT0000 (H+48)
1203	CP NOGAPS surface pressure/wind prognosis VT0000 (H+72)
1217	CP NMC surface pressure prognosis VT0000 (H+48)
1231	CP NOGAPS 500 hPa prognosis VT0000 (H+72)
1245	CP ECMWF surface pressure prognosis VT1200 (H+48)
1259	CP ECMWF 500 hPa height prognosis VT1200 (H+48)
1313	CP NOGAPS Middle East 0000 surface pressure/wind analysis
1327	CP NOGAPS Middle East 1200 surface pressure/wind prognosis VT1200 (H+36)
1341	CP NOGAPS Middle East 0000 500 hPa height/temperature/wind analysis
1355	CP NOGAPS Middle East 500 hPa height/temperature/wind prognosis VT1200 (H+36)
1409	CP NOGAPS Middle East 300 hPa height/temperature/wind prognosis VT1200 (H+36)
1423	CP ECMWF surface pressure prognosis VT1200 (H+96)
1437	CP ECMWF 500 hPa height prognosis VT1200 (H+96)
1451	CP NOGAPS 1200 surface pressure preliminary analysis (4 hPa winter / 2 hPa summer)
1505	CP ECMWF surface pressure prognosis VT1200 (H+120)
1521	CP ECMWF 500 hPa height prognosis VT1200 (H+120)
1535	FSP satellite picture
1549	FSP in house prepared product FSME LERT retransmission VT1200
1603	CP NORAPS 1200 500 hPa analysis
1617	CP NORAPS surface pressure prognosis VT0000 (H+36)
1631	FSP NORAPS 1200 surface pressure analysis (hand-enhanced)
1645	CP NORAPS 500 hPa prognosis VT0000 (H+36)
1659	CP NORAPS surface pressure prognosis VT1200 (H+48)
1713	CP NOGAPS 1200 surface pressure analysis (final) (4 hPa intervals)
1727	CP NOGAPS 1200 500 hPa height/temperature/wind analysis
1741	CP NOGAPS 1200 850 hPa height/temperature/wind analysis
1755	FSP in house prepared product test chart
1809	CP NOGAPS 1200 250 hPa height/isotach/wind analysis
1823	CP NOGAPS 1200 400 hPa height/temperature/wind analysis
1837	CP NOGAPS 1200 925 hPa height/temperature/wind analysis
1851	CP NOGAPS 1200 700 hPa height/temperature/wind analysis
1905	CP NOGAPS 1200 500 hPa SD/SR analysis
1919	CP NOGAPS surface pressure/wind prognosis VT1200 (H+24)
1933	CP NOGAPS 500 hPa height/temperature/wind prognosis VT1200 (H+24)

1947 CP NOGAPS 850 hPa height/temperature/wind prognosis VT1200 (H+24)
2001 CP NOGAPS 250 hPa height/isotach/wind prognosis VT1200 (H+24)
2015 CP NOGAPS 400 hPa height/temperature/wind prognosis VT1200 (H+24)
2029 CP NOGAPS 925 hPa height/temperature/wind prognosis VT1200 (H+24)
2043 CP NOGAPS 700 hPa height/temperature/wind prognosis VT1200 (H+24)
2057 FSP in house prepared product 1800 nephanalysis
2111 FSP in house prepared product FSME LERT (surface pressure/wind prognosis VT0000 (H+36))
2127 CP NOGAPS 1800 surface pressure preliminary analysis (4 hPa winter / 2 hPa summer)
2141 CP NOGAPS surface pressure/wind prognosis VT0000 (H+36)
2155 CP NOGAPS 850 hPa height/temperature/wind prognosis VT0000 (H+36)
2209 CP NOGAPS 500 hPa height/temperature/wind prognosis VT0000 (H+36)
2223 CP NOGAPS 700 hPa height/temperature/wind prognosis VT0000 (H+36)
2237 CP NOGAPS 250 hPa height/isotach/wind prognosis VT0000 (H+36)
2251 CP NOGAPS 500 hPa SD/SR prognosis VT0000 (H+36)
2305 FSP in house prepared product OSME LERT (significant wave height prognosis VT0000 (H+36))
2319 CP NOGAPS 1200 GG Theta analysis
2335 CP NOGAPS surface pressure/wind prognosis VT1200 (H+48)
2349 CP NOGAPS 500 hPa height/temperature/wind prognosis VT1200 (H+48)

THAILAND

Bangkok Meteo	7395.0	HSW 64
	17519.0	HSW 61

- 120/576
0130 0100 radar networks
0210 test chart
0220 0200 radar networks
0340 0300 radar networks
- 60/576
0400 ANAS VTBB 0000
- 120/576
0435 0400 radar networks
- 60/576
0445 ASAS VTBB 0000
- 120/576
0520 0500 radar networks
- 60/576
0530 AUAS VTBB 850 hPa
0605 AUAS VTBB 700 hPa
- 120/576
0640 0600 radar networks
- 60/576
0650 AUAS VTBB 500 hPa
- 120/576
0725 0700 radar networks
0820 0800 radar networks
0940 0900 radar networks
1020 1000 radar networks
- 60/576
1100 ASAS VTBB 0600
- 120/576
1135 1100 radar networks
1240 1200 radar networks
1320 1300 radar networks
- 60/576
1400 ANAS VTBB 1200
1700 ASAS VTBB 1200
2300 ASAS VTBB 1800

TURKEY

Ankara Meteo	3377.0	YMA 20
	6790.0	YMA 20

- 90/576
0440 ASTU LTAA 0000
0510 FBTU LTAA 0000 (H+12)
0540 test chart
0600 ASTU LTAA 0300
0630 AUTU LTAA 0000 300 hPa
0715 AUTU LTAA 0000 500 hPa
0800 AUTU LTAA 0000 200 hPa
0830 FUTU LTAA 0000 500 hPa (H+24)
0900 FUTU LTAA 0000 700 hPa (H+24)
0930 FUTU LTAA 0000 300 hPa (H+24)
1000 ASTU LTAA 0600
1030 ANTU LTAA
1100 FSTU LTAA 0000 (H+24)
1130 FSTU LTAA 0000 (H+36)
1200 FBTU LTAA 0600 (H+24)
1230 ASTU LTAA 0900
1257 AUTU LTAA 0000 maximum wind analysis
1325 FUTU LTAA 1200 ECMWF 500 hPa (H+48, H+72, H+96, H+120)
1600 ASTU LTAA 1200
1700 FBTU LTAA 1200 (H+12)
1830 ASTU LTAA 1500
1900 AUTU LTAA 1200 500 hPa
1930 AUTU LTAA 1200 300 hPa
2000 FUTU LTAA 1200 500 hPa (H+24)
2030 AUTU LTAA 1200 200 hPa
2100 FUTU LTAA 1200 300 hPa (H+24)
2150 FSTU LTAA 1200 (H+24)
2240 ASTU LTAA 1800
2305 FSTU LTAA 1200 (H+36)

UNION OF SOVIET SOCIALIST REPUBLICS

Khabarovsk Meteo, SE	4516.7	RXB 72
	7475.0	RXB 75
	9230.0	RXO 70
	14737.0	RXO 72
	19275.0	RXO 74

- 120/288
0000 FUXX RUHB 1200 500 hPa (H+24)
0010 FUXX RUHB 1200 500 hPa (H+48)
0055 FSXX RUHB 1800 (H+24)
0110 FSXX RUHB 1800 (H+36)
- 90/576
0125 FBXX RUHB 1200 significant weather chart and prognosis 300 hPa (VT0600)
0200 FBXX RUHB 1200 significant weather chart and upper-wind forecast (VT0600)
- 60/576
0240 ASXX RUHB 0000
- 90/576
0345 AUXX RUHB 0000 850 hPa
- 120/576
0420 AUXX RUHB 0000 300 hPa
0445 FUXX RUMS 1800 200 hPa (H+24)
0500 FUXX RUMS 1800 300 hPa (H+24)
0515 FBXX RUMS 1800 significant weather prognosis (H+24)
- 90/576
0540 AUXX RUHB 0000 200 hPa
- 120/288
0615 FUXX RUHB 0000 200 hPa (H+24)
0630 FUXX RUHB 0000 300 hPa (H+24)
0645 FUXX RUHB 0000 400 hPa (H+24)
- 90/576
0705 AUXX RUHB 0000 tropopause
- 120/576
0740 AUXX RUHB 0000 maximum wind
- 90/576
0805 test chart
- 60/576
0915 ASXX RUHB 0600
- 120/576
1020 FUXX RUMS 0000 250 hPa (H+24)
1035 FUXX RUMS 0000 300 hPa (H+24)
1050 FBXX RUMS 0000 significant wx prognosis (H+24)
- 90/576
1120 AUXX RUHB 0000 100 hPa
- 120/288
1155 AXXX RUHB 0000 vertical motion
1225 FUXX RUHB 0000 850 hPa (H+24)
1235 FUXX RUHB 0000 850 hPa (H+48)
1245 FUXX RUHB 0000 700 hPa (H+24)
1255 FUXX RUHB 0000 700 hPa (H+48)
1305 FUXX RUHB 0000 500 hPa (H+36)
1315 FUXX RUHB 0000 500 hPa (H+48)
- 60/576
1325 ASXX RUHB 1200
1440 ASXX RUHB 1200
- 90/576
1545 AUXX RUHB 1200 850 hPa
- 120/576
1620 AUXX RUHB 1200 300 hPa
1645 AOPA RUMS 3-day average sea surface temperature analysis for the North Pacific (daily, except 2., 12. and 22. of each month)
FOPA RUMS 5-day mean sea surface temperature prognostic chart for the North Pacific (2., 12. and 22. of each month)
FOPA RUMS North Pacific monthly sea surface temperature distribution prognostic chart (22. of each month)
1710 FUXX RUMS 0600 250 hPa (H+24)
1725 FUXX RUMS 0600 300 hPa (H+24)
1740 FBXX RUMS 0600 significant weather prognosis (H+24)
- 120/288
1755 AUXX RUHB 1200 maximum wind
- 90/576
1810 AUXX RUHB 1200 200 hPa
- 120/576
1845 FUXX RUHB 1200 400 hPa (H+24)
- 90/576
1900 AUXX RUHB 1200 tropopause
1935 FBXX RUHB 1200 significant weather chart and prognosis 300 hPa (VT0000)
2010 FBXX RUHB 1200 significant weather chart and upper-wind forecast (VT0000)
- 60/576
2045 ASXX RUHB 1800
2150 test chart
- 120/576
2220 FUXX RUMS 1200 250 hPa (H+24)
2235 FUXX RUMS 1200 300 hPa (H+24)
2250 FBXX RUMS 1200 significant weather prognosis (H+24)
2320 FUXX RUHB 1200 850 hPa (H+24)
2330 FUXX RUHB 1200 850 hPa (H+48)
2340 FUXX RUHB 1200 700 hPa (H+24)
2350 FUXX RUHB 1200 700 hPa (H+48)

Kiyev Meteo, UK	3360.0	RPN 71
	6950.0	RJK 78

- 60/576
0428 chart Black Sea area
- 90/576
1221 chart
- 60/576
2335 chart

Moscow Meteo, RU	53.6	RTO
	5150.0	RVO 73
	6880.0	RAN 77
	7670.0	RCC 76
	10230.0	RKA 78
	11525.0	RWZ 77
	13470.0	RKU 71

- 90/576
0013 FBXX RUMS 1800 400 hPa (VT0600)

0030 AUXX RUMS 1800 500 hPa
0047 SDXX RUMS 0000 radar data
0110 test chart
- 120/576
0235 FUXX RUMS 1200 200 hPa (H+24)
- 90/576
0249 AUXX RUMS 0000 925 hPa
0305 AUXX RUMS 0000 tropopause
0330 AUXX RUMS 0000 400 hPa
0355 SDXX RUMS 0300 radar data
0420 AUXX RUMS 0000 300 hPa
- 120/576
0445 FUXX RUMS 1800 250 hPa (H+24)
0500 FUXX RUMS 1800 300 hPa (H+24)
0515 FUXX RUMS 1800 significant weather chart (H+24)
- 90/576
0530 AUXX RUMS 0000 200 hPa
0554 FBXX RUMS significant weather chart
and prognosis above 400 hPa (VT1200)
0610 FBXX RUMS 300 hPa (VT1200)
- 120/576
0625 ANXX RUMS 0000-0400
nephanalyses and forecasts of cloud systems
- 90/576
0643 FBXX RUMS significant weather chart
and prognosis below 400 hPa (VT1200)
0659 FBXX RUMS 400 hPa (VT1200)
0715 SDXX RUMS 0600 radar data
- 120/576
0740 AXXX RUMS minimum temperature
and amount of precipitations in the night-time
- 90/576
0755 AUXX RUMS maximum wind
- 120/576
0820 AUXX RUMS 0000 100 hPa
- 90/576
0838 AUXX RUMS 0000 700 hPa
0905 AUXX RUMS 0600 850 hPa
0922 AUXX RUMS 0600 700 hPa
0939 AUXX RUMS 0600 500 hPa
0956 SDXX RUMS 0900 radar data
- 120/576
1020 FUXX RUMS 0000 250 hPa (H+24)
1035 FUXX RUMS 0000 300 hPa (H+24)
1050 FBXX RUMS 0000 significant weather chart (H+24)
- 90/576
1105 AUXX RUMS 0600 400 hPa
1120 FBXX RUMS significant weather chart
and prognosis above 400 hPa (VT1800)
1138 FBXX RUMS 300 hPa (VT1800)
1155 FBXX RUMS significant weather chart
and prognosis below 400 hPa (VT1800)
1213 FBXX RUMS 400 hPa (VT1800)
1230 AUXX RUMS 0600 300 hPa
1250 SDXX RUMS 1200 radar data
- 120/576
1315 AUXN RUMS 0000 50 hPa
- 60/576 or 120/576
1340 test chart
- 120/576
1435 FUXX RUMS 0000 200 hPa (H+24)
- 90/576
1449 AUXX RUMS 1200 925 hPa
1505 AUXX RUMS 1200 tropopause
1530 AUXX RUMS 1200 400 hPa
1555 SDXX RUMS 1500 radar data
1620 AUXX RUMS 1200 300 hPa
1645 AUXX RUMS 1200 200 hPa
- 120/576
1710 FUXX RUMS 0600 250 hPa (H+24)
1725 FUXX RUMS 0600 300 hPa (H+24)
1740 FUXX RUMS 0600
significant weather chart (H+24)
1755 ANXX RUMS 1200-1600
nephanalyses and forecasts of cloud systems
- 90/576
1810 FBXX RUMS significant weather chart
and prognosis above 400 hPa (VT0000)
1828 FBXX RUMS 300 hPa (VT0000)
1845 FBXX RUMS significant weather chart
and prognosis below 400 hPa (VT0000)
1903 FBXX RUMS 400 hPa (VT0000)
1920 SDXX RUMS 1800 radar data
1945 AUXX RUMS 1200 maximum wind
2010 AUXX RUMS 1200 850 hPa
2035 AUXX RUMS 1200 700 hPa
2105 AUXX RUMS 1800 850 hPa
2122 AUXX RUMS 1800 700 hPa
2139 AUXX RUMS 1800 300 hPa
2155 SDXX RUMS 2100 radar data
- 120/576
2220 FUXX RUMS 1200 250 hPa (H+24)
2235 FUXX RUMS 1200 300 hPa (H+24)
2250 FBXX RUMS 1200
significant weather chart (H+24)
- 90/576
2304 AUXX RUMS 1800 400 hPa
2320 FBXX RUMS significant weather chart
and prognosis above 400 hPa (VT0600)
2338 FBXX RUMS 300 hPa (VT0600)
2355 FBXX RUMS VT0600 significant weather chart
and prognosis below 400 hPa (VT0600)

Moscow Meteo, RU	2815.0	RVO 76
	3875.0	RCI 72
	5355.0	RND 77
	7750.0	RAW 78
	10980.0	RDD 79
	15950.0	RBI 77
	18710.0	RIZ 59

- 90/576
0005 ANXS RUMS photo-mosaic
from METEOR satellite data
- 60/576
0220 ASXX RUMS 0000
0255 ASXX RUMS 0000
- 90/576
0330 AUXX RUMS 0000 850 hPa
0355 AUXX RUMS 0000 700 hPa
0420 AUXX RUMS 0000 500 hPa
0445 AHXX RUMS 0000 500/1000 hPa

0510 AWNT RUMS 0000 wave analysis
- 120/576
0544 FUXX RUMS 0000 700 hPa (H+24, H+36)
0605 FUXX RUMS 0000 500 hPa (H+24, H+36)
- 120/288
0626 FSXX RUMS 0000 (H+24)
- 120/576
0639 FUXX RUMS 0000 850 hPa (H+24, H+36)
- 120/288
0700 FSXX RUMS 0000 (H+36)
- 120/576
0712 FUXX RUMS 0000 500 hPa (H+48)
- 120/288
0733 FUXN RUMS 0000 500 hPa (H+24)
- 120/576
0745 ASXN RUMS 0000
- 90/576
0810 test chart
- 60/576
0820 ASXX RUMS 0600
0855 ASXX RUMS 0600
- 120/576
0930 AUXN RUMS 0000 500 hPa
- 60/576
0955 FSXN RUMS 1200 (H+48, H+72, H+96, H+120, H+144)
FUXN RUMS 1200 1000/500 hPa
(H+48, H+72, H+96, H+120, H+144)
- 120/576
1048 AUXN RUMS 0000 300 hPa
1113 FWNT RUMS 0000
wave prognosis (H+24, H+48)
- 90/576
1135 AONT RUMS sea surface temperature from satellite data and ships for Greenland Sea, Norwegian Sea and North Sea (1., 4., 8., 11., 14., 18., 21., 24., 28. of each month)
- 120/576
1135 FONT RUMS 5-day mean sea surface temperature prognosis for North Atlantic from 3 October to 3 March (3., 13., 23. of each month)
AOXT RUMS 5-day mean sea surface temperature analysis for tropical belt (2., 7., 12., 17., 22., 27. of each month)
FONT RUMS sea surface temperature prognosis and anomalies for North Atlantic from 23 May to 23 September (23. of each month)
- 60/576
1159 ASXT RUMS 0000
1247 ASXT RUMS 0000
1332 AUXT RUMS 0000 500 hPa
1420 ASXX RUMS 1200
1455 ASXX RUMS 1200
- 90/576
1530 AUXX RUMS 1200 850 hPa
1555 AUXX RUMS 1200 700 hPa
1620 AUXX RUMS 1200 500 hPa
1645 ASXS RUMS 0000
1708 AWNT RUMS 1200 wave analysis
1739 AHXX RUMS 1200 500/1000 hPa
- 120/288
1822 FSXX RUMS 1200 (H+24)
1835 FUXX RUMS 1200 700 hPa (H+24)
1848 FUXX RUMS 1200 850 hPa (H+24)
- 120/576
1901 ASXN RUMS 1200
1946 test chart
1956 AONT RUMS sea surface temperature analysis for North Atlantic
- 60/576
2020 ASXX RUMS 1800
2055 ASXX RUMS 1800
- 120/576
2130 AUXN RUMS 1200 500 hPa
2155 AUXN RUMS 1200 300 hPa
2340 ANXT RUMS 1200 photo-mosaic from METEOR satellite data

Moscow Meteo, RU 144.5 RCG
4202.5 RAT 21
12165.0 RKB 78

- 90/288
1125 prognostic chart Eastern Europe
1148 prognostic chart Russia
- 60/288
1440 chart North Africa
- 120/576
1735 FUXX RUMS 700 hPa USSR
1755 FUXX RUMS 500 hPa USSR
- 90/576
2055 FUXX RUMS USSR

Moscow Meteo, RU 10710.0 RKA 73

- 60/288
1500 photo mosaic from METEOR satellite data
- 120/576
1538 200 hPa chart headed "AFC MOSCOW"
- 60/576
2110 chart

Murmansk Meteo, RU 4142.0
10520.0

- 120/576 LSB
0230 chart Northern Europe
- 90/576
0800 chart Europe - Western Siberia
- 120/576
0823 chart Europe - Western Siberia
- 60/288 LSB
1015 FUXX 500 hPa (H+24) North Atlantic - Norwegian Sea - Europe
- 120/576 LSB
1320 chart Norwegian Sea / Barents Sea
- 90/288 LSB
1340 (ice ?) chart Norwegian Sea / Barents Sea
- 120/576 LSB
1420 chart Norwegian Sea
1442 chart Norwegian Sea

1530 chart Arctic Ocean 80° W - 100° E
zenithal projection
- 90/576 LSB
1620 (ice ?) chart Norwegian Sea / Barents Sea

Novosibirsk Meteo, SW	3635.0	RCK 77
	4445.0	ROF 73
	5765.0	RYO 79
	9220.0	RTB 26
	12320.0	RYO 76

- 90/576
0000 AUXX RUNW 1800 300 hPa
0245 ASXX RUNW 0000
0317 ANXX RUNW pictures of METEOR satellite
0340 AUXX RUNW 0000 700 hPa
0413 AUXX RUNW 0000 850 hPa
- 120/576
0447 FSXX RUNW
5-day and 10-day mean temperature anomaly
- 90/576
0500 AUXX RUNW 0000 500 hPa
0535 FSXX RUNW 0000 (H+24)
0550 FSXX RUNW 0000 (H+36)
0605 AUXX RUNW 0000 925 hPa
0620 FSXX RUNW development of synoptic situation
for 3 days and for a synoptic period
- 120/576
0635 AHXX RUNW 0000 500/1000 hPa
0710 AUXX RUNW 0000 400 hPa
- 90/576
0729 FUXX RUNW 0000 850 hPa (H+24)
0744 FUXX RUNW 0000 850 hPa (H+36)
0817 AUXX RUNW 0000 200 hPa
0832 AUXX RUNW 0000 tropopause
0847 ASXX RUNW 0600
0920 FUXX RUNW 0000 200 hPa (H+24)
1035 FSXX RUNW development of synoptic situation
for 3 days and for a synoptic period
- 120/576
1430 ANXX RUNW pictures of METEOR satellite
- 90/576
1447 ASXX RUNW 1200
1530 AUXX RUNW 1200 700 hPa
1605 AUXX RUNW 1200 850 hPa
1640 AUXX RUNW 1200 300 hPa
1715 AHXX RUNW 1200 500/1000 hPa
1750 AUXX RUNW 1200 500 hPa
1825 FXXX RUNW 1200 vertical motion (H+24)
1840 FXXX RUNW 1200 vertical motion (H+36)
1855 FUXX RUNW 1200 850 hPa (H+24)
1910 FUXX RUNW 1200 850 hPa (H+36)
1925 FUXX RUNW 1200 700 hPa (H+24)
1940 FUXX RUNW 1200 700 hPa (H+36)
1955 FUXX RUNW 1200 500 hPa (H+24)
2010 FUXX RUNW 1200 500 hPa (H+36)
2033 ASXX RUNW 1800
2152 AUXX RUNW 1800 700 hPa
2227 AUXX RUNW 1800 850 hPa
2250 AUXX RUNW 1800 400 hPa
2326 AUXX RUNW 1800 500 hPa

Novosibirsk Meteo, SW	4475.0	
	5335.0	ROF 76
	9060.0	RCU 73
	12230.0	RCU 79

- 90/576
0012 FUXX RUNW 1200 850 hPa (H+48)
0027 FUXX RUNW 1200 700 hPa (H+48)
0057 FBXX RUNW VT0600
0112 ARXX RUNW 0000
0157 FSXX RUNW VT0600
0212 FBXX RUNW 300 hPa (VT0600)
0227 FBXX RUNW 200 hPa (VT0600)
0405 ARXX RUNW 0300
0448 AUXX RUNW 0000 300 hPa
0535 FUXX RUNW 0000 925 hPa (H+24)
0550 FUXX RUNW 0000 925 hPa (H+36)
0605 AXXX RUNW 0000
precipitation and mean temperature
0637 AUXX RUNW 0000 400 hPa
0710 ARXX RUNW 0600
0725 FBXX RUNW VT1200
0740 FSXX RUNW VT1200
0755 FBXX RUNW 0000 300 hPa (VT1200)
0810 FBXX RUNW 0000 200 hPa (VT1200)
0840 FUXX RUNW 0000 700 hPa (H+24)
0855 FUXX RUNW 0000 700 hPa (H+36)
0910 AXXX RUNW 0000 vertical motion
0925 FXXX RUNW 0000 vertical motion (H+24)
0940 FXXX RUNW 0000 vertical motion (H+36)
1130 SMXX RUNW 0900
1225 FSXX RUNW VT1800
1240 FBXX RUNW 0000 300 hPa (VT1800)
1255 FBXX RUNW 0000 200 hPa (VT1800)
1310 ARXX RUNW 1200
1610 ARXX RUNW 1500
1730 SMXX RUNW 1500
1802 AUXX RUNW 1200 925 hPa
1834 AUXX RUNW 1200 400 hPa
1910 ARXX RUNW 1800
1925 FBXX RUNW VT0000
1955 FSXX RUNW VT0000
2010 FBXX RUNW 1200 300 hPa (VT0000)
2025 FBXX RUNW 1200 200 hPa (VT0000)
2040 FUXX RUNW 1200 500 hPa (H+72)
2100 FUXX RUNW 1200 500 hPa (H+96)
2120 FUXX RUNW 1200 500 hPa (H+120)
2140 FUXX RUNW 1200 500 hPa (H+144)
2210 ARXX RUNW 2100
2325 SMXX RUNW 2100

Rostov-na-Donu Meteo, UK	3610.0	ROO 70
	7630.0	RNR 78
	7967.5	RFU 7
	9100.0	

- 60/576
0725 chart Black Sea area
1030 chart Black Sea area
1330 photo mosaic from METEOR satellite data

- 60/576
1613 surface analysis of Black Sea area
- 60/576
1910 chart Black Sea / North Caspian Sea area

Tashkent Meteo, UZ	3280.0	RBX 70
	5285.0	RBX 71
	8083.0	RIJ 75
	9150.0	RCH 73
	13947.0	ROM 5

- 90/576
0050 SDRA RUTK 0000
- 60/576
0130 FBRA RUTK 1200 significant weather chart VT0600
- 90/576
0258 FURA KWBC 0000 500 hPa (H+48)
0315 AUXX RUTK 0000 300 hPa
0350 SDRA RUTK 0300
0410 AUXX RUTK 0000 500 hPa
0500 ASXX RUTK 0300
0550 AUXX RUTK 0000 200 hPa
0625 SMXX RUTK 0300
precipitation and minimum temperatures
0640 AUXX RUTK 0000 400 hPa
0715 AUXX RUTK 0000 100 hPa
0750 FBRA/FUXX RUTK 0000 significant weather chart and prognosis 300 hPa (VT1500)
- 60/576
0830 AUXN RUTK 0600 500 hPa
- 90/576
0915 AUXX RUTK 0000 maximum wind chart
0950 SDRA RUTK 0900
1115 FBXX RUTK significant weather chart and prognosis 300 hPa (VT1800)
1250 SDRA RUTK 1200
- 60/576
1325 FBXX RUTK 0000 prebaric chart (VT1800)
- 90/576
1515 AUXX RUTK 1200 300 hPa
1550 SDRA RUTK 1500
1605 AUXX RUTK 1200 500 hPa
1640 AUXX RUTK 1200 850 hPa
1720 AUXX RUTK 1200 200 hPa
1755 AUXX RUTK 1200 100 hPa
1830 AHXX RUTK 1200 500/1000 hPa
1905 SDRA RUTK 1800
1930 FBXX RUTK 1200 significant weather chart and prognosis (VT0000)
2015 AUXX RUTK 1200 maximum wind chart
2105 AUXX RUTK 1800 850 hPa
2122 AUXX RUTK 1800 700 hPa
2139 AUXX RUTK 1800 500 hPa
2155 AUXX RUTK 1800 400 hPa
2212 AUXX RUTK 1800 300 hPa
2320 FBXX RUTK significant weather chart and prognosis 300 hPa (VT0600)

Tashkent Meteo, UZ	3690.0	RBV 70
	4365.0	RPJ 78
	5890.0	RBV 78
	7570.0	RBX 72
	9340.0	RCH 72
	14982.5	RBV 76

- 90/576
0110 SDRA RUTK 0000
- 60/576
0130 FBRA RUTK 1200
significant weather chart (VT0600)
0155 ASXX RUTK 0000
0255 ASXX RUTK 0000
- 90/576
0345 AUXX RUTK 0000 700 hPa
0420 ANXX RUTK nephanalysis
- 120/576
0450 AUXX RUTK 0000 300 hPa
- 90/576
0515 AUXX RUTK 0000 850 hPa
- 120/288
0625 FUXX RUTK 0000 500 hPa (H+36)
- 90/576
0633 FXXX RUTK 0000
vertical motion at 850/700/500 hPa (H+36)
0650 SDRA RUTK 0600
0720 AUXX RUTK 0000 400 hPa
- 60/576
0755 ASXX RUTK 0600
0845 AUXX RUTK 0600 50 hPa
- 90/576
0930 AUXX RUTK 0000 tropopause
1005 AHXX RUTK 0000 500/1000 hPa
- 60/576
1055 ASXX RUTK 0900
- 90/576
1215 ANXX RUTK nephanalysis
- 60/576
1325 FBRA RUTK 0000
significant weather chart (VT1800)
1355 ASXX RUTK 1200
1455 ASXX RUTK 1200
- 90/576
1540 AUXX RUTK 1200 700 hPa
1615 AUXX RUTK 1200 400 hPa
- 60/576
1655 ASXX RUTK 1500
- 90/576
1745 AUXX RUTK 1200 500/1000 hPa
- 120/288
1850 FUXX RUTK 1200 500 hPa (H+36)
- 60/576
1905 SMXX RUTK 1500
precipitation and extremes of temperatures
1930 ASXX RUTK 1800
2020 ASXX RUTK 1800
- 90/576
2105 FXXX RUTK 1200
vertical motion at 850/700/500 hPa (H+36)
2122 AUXX RUTK 1200 tropopause
2200 SDRA RUTK 2100

- 60/576
2255 ASXX RUTK 2100
- 90/576
2345 AXXX/FXXX RUTK 1200
vertical motion at 850/700/500 hPa (H+24)

Tbilisi Meteo, GE	3745.0	RIS 70
	7495.0	RDK 23

- 90/576
0330 chart Black Sea - Caspian Sea area
- 60/288
0700 surface analysis Black Sea - Caspian Sea area
- 90/576
1545 chart Black Sea - Caspian Sea area

UNITED KINGDOM

Bracknell Meteo	2618.5	GFE 25
	4782.0	GFE 21
	9203.0	GFE 22
	14436.0	GFE 23
	18261.0	GFE 24

- 120/576
0000 FUXX EGLL VT1200 NAT FL340 (H+24)
0012 FUXX EGLL VT1200 NAT FL300 (H+24)
0024 FUXX EGLL VT1200 NAT FL390 (H+24)
0036 FUXX EGLL VT1200 NAT FL180 (H+24)
0048 FUXX EGLL VT1200 EUR FL390 (H+24)
0100 FUXX EGLL VT1200 EUR FL340 (H+24)
0112 FUXX EGLL VT1200 EUR FL300 (H+24)
0124 FUXX EGLL VT1200 EUR FL240 (H+24)
0136 FUXX EGLL VT1200 EUR FL180 (H+24)
0148 FUXX EGLL VT1200 EUR FL100 (H+24)
0200 FUXX EGLL VT1200 EUR FL50 (H+24)
0224 FBXX EGLL VT1200 NAT significant weather (H+24)
0236 FBXX EDZW VT1200 MID significant weather (H+24)
0248 FBEU EDZW VT1200 EUR significant weather (H+24)
0300 FBXX10 EGRR VT1200
plain language WAFS amendments
0305 FUXX EGLL VT1200 AFI FL300 (H+24)
0317 FUXX EGLL VT1200 AFI FL390 (H+24)
0329 FUXX EGLL VT1200 AFI FL340 (H+24)
- 120/288
0341 ASXX EGRR 0000
- 120/576
0347 FBAF LFPW 1200 AFI significant weather (H+24)
- 120/288
0431 FSXX EGRR 0000 (H+24)
- 120/576
0518 FUXX EGLL VT0000 EUR FL50 (H+18)
0530 FUXX EGLL VT0000 MID FL340 (H+18)
0542 FUXX EGLL VT0000 MID FL300 (H+18)
0554 FUXX EGLL VT0000 MID FL390 (H+18)
0606 FUXX EGLL VT0000 NAT FL340 (H+18)
0618 FUXX EGLL VT0000 NAT FL300 (H+18)
0630 FUXX EGLL VT0000 NAT FL390 (H+18)
0642 FUXX EGLL VT0000 NAT FL180 (H+18)
0654 FUXX EGLL VT0000 EUR FL390 (H+18)
0706 FUXX EGLL VT0000 EUR FL340 (H+18)
0718 FUXX EGLL VT0000 EUR FL300 (H+18)
0730 FUXX EGLL VT0000 EUR FL240 (H+18)
0742 FUXX EGLL VT0000 EUR FL180 (H+18)
0754 FUXX EGLL VT0000 EUR FL100 (H+18)
- 120/288
0816 FS/FUXX EGRR VT0000
surface / thickness 500/1000 hPa (H+48, H+72)
- 120/576
0824 FBXX EGLL VT0000 NAT significant weather (H+18)
0836 FBXX EDZW VT0000 MID significant weather (H+18)
0848 FBEU EDZW VT0000 EUR significant weather (H+18)
0900 FUXX EGLL VT0000 AFI FL340 (H+18)
0912 FUXX EGLL VT0000 AFI FL300 (H+18)
0924 FBXX10 EGRR VT0000
plain language WAFS amendments
- 120/288
0929 AXNT EGRR 0000 wave analysis
0935 FXNT EGRR VT0000 wave prognosis (H+24)
0941 ASXX EGRR 0600
- 120/576
0947 FUXX EGLL VT0000 AFI FL390 (H+18)
- 120/288
1010 FXNT EGRR VT0000 sea/swell (H+48)
- 120/576
1016 FBAF LFPW VT0000 AFI significant weather (H+18)
- 120/288
1031 FSXX EGRR 0600 (H+24)
1045 FS/FUXX EGRR VT0000
surface / thickness 500/1000 hPa (H+48, H+72)
- 120/576
1051 FXNT EGRR extended North Atlantic inference
1124 FUXX EGLL VT0000 MID FL340 (H+24)
1136 FUXX EGLL VT0000 MID FL300 (H+24)
1148 FUXX EGLL VT0000 MID FL390 (H+24)
1200 FUXX EGLL VT0000 NAT FL340 (H+24)
1212 FUXX EGLL VT0000 NAT FL300 (H+24)
1224 FUXX EGLL VT0000 NAT FL390 (H+24)
1236 FUXX EGLL VT0000 NAT FL180 (H+24)
1248 FUXX EGLL VT0000 EUR FL390 (H+24)
1300 FUXX EGLL VT0000 EUR FL340 (H+24)
1312 FUXX EGLL VT0000 EUR FL300 (H+24)
1324 FUXX EGLL VT0000 EUR FL240 (H+24)
1336 FUXX EGLL VT0000 EUR FL180 (H+24)
1348 FUXX EGLL VT0000 EUR FL100 (H+24)
1400 EGRR radio frequency check
- 120/288
1412 AXXX EGRR
sea temperature for British waters
- 120/576
1424 FBXX EGLL VT0000 NAT significant weather (H+24)
1436 FBXX EDZW VT0000 MID significant weather (H+24)
1448 FBEU EDZW VT0000 EUR significant weather (H+24)
1500 FUXX EGLL VT0000 AFI FL300 (H+24)
1512 FUXX EGLL VT0000 AFI FL390 (H+24)
1524 FUXX EGLL VT0000 AFI FL340 (H+24)
1536 FBXX10 EGRR VT0000
plain language WAFS amendments
- 120/288
1541 ASXX EGRR 1200

- 120/576
1547 FBAF LFPW VT0000 AFI significant weather (H+24)
1602 SXNT EGRR sea ice
1622 EGRR general notices
- 120/288
1631 FSXX EGRR VT1200 (H+24)
- 120/576
1718 FUXX EGLL VT1200 EUR FL50 (H+18)
1730 FUXX EGLL VT1200 MID FL340 (H+18)
1742 FUXX EGLL VT1200 MID FL300 (H+18)
1754 FUXX EGLL VT1200 MID FL390 (H+18)
1806 FUXX EGLL VT1200 NAT FL340 (H+18)
1818 FUXX EGLL VT1200 NAT FL300 (H+18)
1830 FUXX EGLL VT1200 NAT FL390 (H+18)
1842 FUXX EGLL VT1200 NAT FL180 (H+18)
1900 FUXX EGLL VT1200 EUR FL390 (H+18)
1912 FUXX EGLL VT1200 EUR FL340 (H+18)
1924 FUXX EGLL VT1200 EUR FL300 (H+18)
1936 FUXX EGLL VT1200 EUR FL240 (H+18)
1948 FUXX EGLL VT1200 EUR FL180 (H+18)
2000 FUXX EGLL VT1200 EUR FL100 (H+18)
- 120/288
2012 AXNT EGRR 1200 wave analysis
2018 FXNT EGRR VT1200 wave prognosis (H+24)
- 120/576
2024 FBXX EGLL VT1200 NAT significant weather (H+18)
2036 FBXX EDZW VT1200 MID significant weather (H+18)
2048 FBEU EDZW VT1200 EUR significant weather (H+18)
2100 FBAF LFPW VT1200 AFI significant weather (H+18)
2115 FUXX EGLL VT1200 AFI FL300 (H+18)
- 120/288
2141 ASXX EGRR 1800
- 120/576
2147 FBXX10 EGRR VT1200
plain language WAFS amendments
- 120/288
2152 FXNT EGRR VT1200 sea/swell (H+48)
- 120/576
2158 FUXX EGLL VT1200 AFI FL390 (H+18)
2210 FUXX EGLL VT1200 AFI FL340 (H+18)
- 120/288
2222 FS/FUXX EGRR VT1200
surface / thickness 500/1000 hPa (H+48, H+72)
2231 FSXX EGRR VT1800 (H+24)
- 120/576
2251 FUXX EGLL VT1200 MID FL340 (H+24)
2303 FUXX EGLL VT1200 MID FL300 (H+24)
2315 FUXX EGLL VT1200 MID FL390 (H+24)
2327 FSXX EGRR VT1800 (H+24)

Bracknell Meteo	3289.5	GFA 21
	4610.0	GFA 22
	8040.0	GFA 23
	11086.5	GFA 24
	14582.5	GFA 25

- 120/576
0305 FUXX KWBC VT1200
surface / thickness 500/1000 hPa (H+36)

- 120/288
0317 AUEW EGRR 0000
preliminary 500 hPa / thickness 500/1000 hPa
0341 ASXX EGRR 0000
0431 FSXX EGRR VT0000 (H+24)
0438 AUXX EGRR 0000 500 hPa / thickness 500/1000 hPa
0448 AUXX EGRR 0000 300 hPa
0458 AUXX EGRR 0000 200 hPa
0508 AUXX EGRR 0000 100 hPa
0518 AUXX EGRR 0000 700 hPa
0528 AUXX EGRR 0000 850 hPa
0630 FUXX EGRR VT0000
500 hPa / thickness 500/1000 hPa (H+24)
0640 FUXX EGRR VT0000 300 hPa (H+24)
0650 FUXX EGRR VT0000 200 hPa (H+24)
0700 FUXX EGRR VT0000 850 hPa (H+24)
0710 FS/FUXX EGRR VT0000
surface / thickness 500/1000 hPa (H+48, H+72)
0720 FUXX EGRR VT0000 700 hPa (H+24)
0812 ASXN EGRR 0000
0901 FUXX EGRR VT0000 100 hPa (H+24)
0920 AUXN EGRR 0000 500 hPa
0929 AXNT EGRR 0000 wave analysis
0935 FXNT EGRR VT0000 wave prognosis (H+24)
0941 ASXX EGRR 0600
- 120/576
0959 FUXX KWBC VT0000 500 hPa (H+36)
- 120/288
1010 FXNT EGRR VT0000 sea/swell (H+48)
1031 FSXX EGRR VT0600 (H+24)
- 120/576
1037 FUXX KWBC VT0000 vorticity 500 hPa (H+48)
1103 FUXX KWBC VT0000 500 hPa (H+72)
1114 FUXX KWBC VT0000
surface / thickness 500/1000 hPa (H+36)
1131 FUXX KWBC 5-day mean 700 hPa height
1400 EGRR radio frequency check
- 120/288
1516 AUEU EGRR 1200
preliminary 500 hPa / thickness 500/1000 hPa
- 120/576
1522 KWBC 30 day temperature outlook
- 120/288
1541 ASXX EGRR 1200
- 120/576
1622 EGRR general notices
- 120/288
1631 FSXX EGRR VT1200 (H+24)
1708 AUXX EGRR 1200 500 hPa / thickness 500/1000 hPa
1720 AUXX EGRR 1200 300 hPa
1730 AUXX EGRR 1200 200 hPa
1740 AUXX EGRR 1200 700 hPa
1750 AUXX EGRR 1200 100 hPa
1800 AUXX EGRR 1200 850 hPa
1820 FUXX EGRR VT1200
500 hPa / thickness 500/1000 hPa (H+24)
1830 FUXX EGRR VT1200 300 hPa (H+24)
1840 FUXX EGRR VT1200 200 hPa (H+24)
1850 FUXX EGRR VT1200 100 hPa (H+24)
1900 FUXX EGRR VT1200 850 hPa (H+24)
1910 FUXX EGRR VT1200 700 hPa (H+24)

- 120/576
1920 AUXX KWBC 1200 500 hPa
- 120/288
2012 AXNT EGRR 1200 wave analysis
2018 FXNT EGRR VT1200 wave prognosis (H+24)
2042 AUEW EGRR 1200
preliminary 500 hPa / thickness 500/1000 hPa
2141 ASXX EGRR 1800
2152 FXNT EGRR VT1200 sea/swell (H+48)
2222 FS/FUXX EGRR VT1200
surface / thickness 500/1000 hPa (H+48, H+72)
2231 FSXX EGRR VT1800 (H+24)
- 120/576
2237 FUXX KWBC VT1200 vorticity 500 hPa (H+48)
2333 FUXX KWBC VT1200 500 hPa (H+36)
2345 FUXX KWBC VT1200 500 hPa (H+72)

RN London	2813.6	GYA 1
	3436.6	GZZ 6
	4247.6	GZZ 2
	6436.6	GYD 3
	8494.6	GZZ 40
	12741.6	GZZ 44
	16938.6	GYA

- 120/576
0300 schedule
0315 surface analysis 0000 40° W to Europe
0340 4-panel:
significant surface weather prognosis
VT1800 (H+24) 40° W to Europe;
surface wind prognosis VT1800 (H+24)
40° W to Europe;
surface wind prognosis VT1200 (H+96)
40° W to Europe;
surface wind prognosis VT1200 (H+120)
40° W to Europe;
0600 selected upper air ascents 0000
0630 surface analysis 0000 40° W to Europe
0655 2-panel:
0° C level prognosis VT1200 NE Atlantic;
2° C level prognosis VT1200 NE Atlantic
0705 4-panel:
significant surface weather prognosis
VT1800 (H+24) 40° W to Europe;
surface wind prognosis VT1800 (H+24)
40° W to Europe;
surface wind prognosis VT1200 (H+96)
40° W to Europe;
surface wind prognosis VT1200 (H+120)
40° W to Europe;
0800 gale warnings summary VT0800 40° W to Europe
0940 surface analysis 0600 40° W to Europe
1030 gale warnings summary VT1000 40° W to Europe
1055 sea surface temperature analysis
40° W to Europe
1305 4-panel:
significant surface weather prognosis
VT0600 (H+24) 40° W to Europe;
surface wind prognosis VT0600 (H+24)
40° W to Europe;
surface wind prognosis VT0600 (H+48)
40° W to Europe;
surface wind prognosis VT0600 (H+72)
40° W to Europe;
1330 sea/swell prognosis VT0600
1500 surface analysis 1200 40° W to Europe
1525 specials
1550 specials
1635 schedule
1645 selected upper air ascents 1200
1735 gale warnings summary VT1700 40° W to Europe
1800 surface analysis 1200 40° W to Europe
1825 4-panel:
significant surface weather prognosis
VT0600 (H+24) 40° W to Europe;
surface wind prognosis VT0600 (H+24)
40° W to Europe;
surface wind prognosis VT0600 (H+48)
40° W to Europe;
surface wind prognosis VT0600 (H+72)
40° W to Europe;
1850 sea/swell prognosis VT0600

RN London	8334.0	GYA
	16115.0	GYA

- 120/576
0530 preliminary surface analysis 0000
Southern South America - South Atlantic
0710 preliminary surface analysis 0000
Southern South America - South Atlantic
0850 surface prognosis VT0000 (H+24)
Southern South America - South Atlantic
0915 surface prognosis VT0000 (H+48)
Southern South America - South Atlantic
0940 satellite picture
1005 schedule
1015 schedule
1110 final surface analysis 0000
Southern South America - South Atlantic
1130 preliminary surface analysis 0600
Southern South America - South Atlantic
1225 surface prognosis VT0000 (H+24)
Southern South America - South Atlantic
1250 surface prognosis VT0000 (H+48)
Southern South America - South Atlantic
1400 final surface analysis 0600
Southern South America - South Atlantic
1420 satellite picture
1440 satellite picture
1500 schedule and notices
1730 preliminary surface analysis 1200
Southern South America - South Atlantic
2010 surface prognosis VT1200 (H+24)
Southern South America - South Atlantic

2035 surface prognosis VT1200 (H+48) Southern South America - South Atlantic
2125 final surface analysis 1200 Southern South America - South Atlantic
2150 surface prognosis VT1200 (H+24) Southern South America - South Atlantic
2215 surface prognosis VT1200 (H+48) Southern South America - South Atlantic

UNITED STATES OF AMERICA

Mobile R, AL 6852.0 WLO
9157.5 WLO

- 120/576
0250 surface analysis 0000
0300 offshore marine forecasts
0850 surface analysis 0600
0900 surface prognosis (H+18, H+36)
0910 coastal marine forecast
1100 Gulf aviation forecasts
1440 FAX schedule (Monday)
1450 surface analysis 1200
1500 offshore marine forecasts
1900 Gulf aviation forecasts
2030 surface analysis 1800
2040 surface prognosis (H+18, H+36)
2050 coastal marine forecast
2100 oceanographic products:
- East and West Gulf sea surface temperature (Monday)
- East and West Gulf flow stream (Tuesday)
- East and West Gulf sea surface temperature (Wednesday)
- East and West Gulf flow stream (Thursday)
- East and West Gulf sea surface temperature (Friday)
- East and West Gulf flow stream (Saturday)

NWS Lewes, DE 4223.0 KWX

- 120/576
0645 extended surface prognosis (day 3 - 5)
0655 oceanographic analysis
0705 surface analysis
0717 surface prognosis
0729 alphanumeric forecast
0739 North Atlantic analysis
0751 North Atlantic prognosis
0803 North Atlantic alphanumeric forecast
1845 extended surface prognosis (day 3 - 5)
1855 oceanographic analysis
1905 surface analysis
1917 surface prognosis
1929 alphanumeric forecast
1939 North Atlantic analysis
1951 North Atlantic prognosis
2003 North Atlantic alphanumeric forecast

USCG Boston, MA 3242.5 NMF
7530.0 NMF

- 120/576
0530 analysis New England Waters
0540 prognosis (H+12) New England Waters
0550 prognosis (H+36) New England Waters
0600 prognosis New England Waters
1730 analysis New England Waters
1740 prognosis (H+24) New England Waters
1750 prognosis (H+48) New England Waters
1800 analysis New England Waters (Monday - Friday) schedule (Saturday + Sunday)

USCG San Francisco, CA 4346.0 NMC
8682.0 NMC
12730.0 NMC
17151.2 NMC

- 120/576
0145 test pattern
0149 surface forecast VT0000
0200 sea state forecast VT0000
0300 test pattern
0304 sea surface temperature analysis
0315 sea surface temperature analysis
0326 satellite analysis
0339 satellite analysis
0500 test pattern
0504 0000 surface analysis
0515 extended surface forecast
0526 sea surface temperature analysis East Pacific
0537 0000 tropical analysis
1500 test pattern
1503 satellite picture
1515 satellite picture
1715 test pattern
1719 1200 tropical analysis
1730 1200 surface analysis
1741 satellite picture
2015 test pattern
2019 radiofax schedule
2030 satellite picture
2041 satellite picture
2330 test pattern
2334 1800 tropical analysis
2345 1800 surface analysis

USN Norfolk, VA 3357.0 NAM
8080.0 NAM
10865.0 NAM
16410.0 NAM
20015.0 NAM

- 120/576
0000 NFAX schedule
0015 850 hPa height/temperature/wind prognosis VT0000 (H+36)
0030 500 hPa height/temperature/wind prognosis VT0000 (H+36)

0045 500 hPa height/temperature/wind prognosis VT1200 (H+48)
0100 surface pressure prognosis South Atlantic VT0000 (H+36)
0115 surface pressure prognosis South Atlantic VT0000 (H+48)
0130 500 hPa pressure prognosis South Atlantic VT0000 (H+36)
0145 500 hPa pressure prognosis South Atlantic VT0000 (H+48)
0200 GOES satellite picture full disk (ch 2)
0215 NMC extended surface upper/air prognosis
0230 open period
0240 RAFC significant weather prognosis FL 250-600 VT1200 (H+12)
0300 NMC 500 hPa height change VT0000 (H+24)
0300 NMC significant surface - 400 hPa weather prognosis VT1200 (H+12)
0315 NEOC prognosis blend VT0000 (H+36)
0330 NWS radar summary VT0000
0345 surface pressure analysis South Atlantic 0000
0400 500 hPa pressure analysis South Atlantic 0000
0415 FNOC preliminary surface analysis North Atlantic 0000
0430 tropical surface pressure/wind analysis 0000
0445 open period (tropical warnings)
0500 NMC NGM prognosis VT0000 (H+24)
0515 GOES satellite picture Gulf of Mexico (ch 14)
0530 Bracknell surface prognosis VT0000 (H+24)
0545 GOES satellite picture North Atlantic (ch 15)
0600 NMC NGM prognosis VT0000 (H+48)
0615 NMC radar summary
0630 850 hPa height/temperature/wind analysis 0000
0645 700 hPa height/temperature/wind analysis 0000
0700 500 hPa height/temperature/wind analysis 0000
0715 300 hPa height/temperature/wind analysis 0000
0730 surface pressure/wind prognosis VT1200 (H+12)
0745 GOES satellite picture Gulf of Mexico (ch 14)
0800 surface pressure/wind prognosis VT0000 (H+24)
0815 surface pressure/wind prognosis VT0000 (H+48)
0830 NMC significant weather prognosis VT0000 (H+24)
0840 NMC significant weather prognosis (H+36/H+48)
0850 Bracknell significant wave prognosis VT0000 (H+48)
0905 significant wave height prognosis VT0000 (H+24)
0920 preliminary surface pressure analysis 0600
0935 200 hPa height/temperature/wind prognosis VT0000 (H+24)
0950 open period (tropical warnings)
1000 NEOC high wind/sea warnings VT0000 (H+12)
1015 850 hPa height/temperature/wind prognosis VT0000 (H+24)
1030 700 hPa height/temperature/wind prognosis VT0000 (H+24)
1045 500 hPa height/temperature/wind prognosis VT0000 (H+24)
1100 400 hPa height/temperature/wind prognosis VT0000 (H+24)
1115 GOES satellite picture North Atlantic (ch 15)
1130 300 hPa height/temperature/wind prognosis VT0000 (H+24)
1145 freezing level prognosis VT0000 (H+24)
1200 NMC boundary layer analysis 0000
1215 850 hPa height/temperature/wind prognosis VT1200 (H+36)
1230 500 hPa height/temperature/wind prognosis VT1200 (H+36)
1245 500 hPa height/temperature/wind prognosis VT0000 (H+48)
1300 surface pressure prognosis South Atlantic VT1200 (H+36)
1315 surface pressure prognosis South Atlantic VT0000 (H+48)
1330 500 hPa pressure prognosis South Atlantic VT1200 (H+36)
1345 500 hPa pressure prognosis South Atlantic VT0000 (H+48)
1400 GOES satellite picture full disk (ch 2)
1415 NMC 200 hPa height analysis 0000
1430 open period
1440 RAFC significant weather prognosis FL 250-600 VT0000 (H+12)
1450 NMC 500 hPa height/isotach prognosis VT1200 (H+36)
1500 NMC 500 hPa height change VT1200 (H+24)
1515 NEOC prognosis blend VT1200 (H+36)
1530 NWS radar summary VT1200
1545 surface pressure analysis South Atlantic 1200
1600 500 hPa pressure analysis South Atlantic 1200
1615 FNOC preliminary surface analysis North Atlantic 1200
1630 tropical surface pressure/wind analysis 1200
1645 open period (tropical warnings)
1700 NMC NGM prognosis VT1200 (H+24)
1715 GOES satellite picture Gulf of Mexico (ch 14)
1730 Bracknell surface prognosis VT1200 (H+24)
1745 GOES satellite picture North Atlantic (ch 15)
1800 NMC NGM prognosis VT1200 (H+48)
1815 NEOC sea height analysis 1200
1830 850 hPa height/temperature/wind analysis 1200
1845 700 hPa height/temperature/wind analysis 1200
1900 500 hPa height/temperature/wind analysis 1200
1915 300 hPa height/temperature/wind analysis 1200
1930 surface pressure/wind prognosis VT0000 (H+12)
1945 GOES satellite picture Gulf of Mexico (ch 14)
2000 surface pressure/wind prognosis VT1200 (H+24)
2015 surface pressure/wind prognosis VT1200 (H+48)
2030 NMC significant weather prognosis VT1200 (H+24)
2040 NMC significant weather prognosis (H+36/H+48)
2050 NEOC prognosis blend VT1200 (H+84)
2105 significant wave height prognosis VT1200 (H+24)
2120 preliminary surface pressure analysis 1800
2135 200 hPa height/temperature/wind prognosis VT1200 (H+24)
2150 open period (tropical warnings)
2200 NEOC high wind/sea warnings VT1200 (H+12)
2215 850 hPa height/temperature/wind prognosis VT1200 (H+24)
2230 700 hPa height/temperature/wind prognosis VT1200 (H+24)
2245 500 hPa height/temperature/wind prognosis VT1200 (H+24)

(continued on page 403)

12 NAVTEX transmissions on 518 kHz

The NAVTEX system is the transmission of navigational and meteorological warnings and urgent information from selected coast stations to ships on 518.0 kHz. The modulation and system is NBDPT SITOR-B; for the complete description of the standard operational and technical characteristics please refer to chapter 7.6 in our RADIO-TELETYPE CODE MANUAL.

The current NAVTEX schedule follows. Listed are

- call sign;
- name of the station and ITU country/geographical symbol;
- B1 character = transmitter coverage area identifier;
- duration of transmission in minutes;
- times of transmission.

CBA	DGTMMM Antofagasta R, CHL	A	10	0000	0400	0800	1200	1600	2000
CBM	DGTMMM Magallanes R, CHL	E	10	0040	0440	0840	1240	1640	2040
CBP	DGTMMM Puerto Montt R, CHL	D	10	0030	0430	0830	1230	1630	2030
CBT	DGTMMM Talcahuano R, CHL	C	10	0020	0420	0820	1220	1620	2020
CBV	DGTMMM Valparaiso R, CHL	B	5	0100	0700	1300	1900		
CTV	PN Lisbon, POR	R	10	0250	0650	1050	1450	1850	2250
CWM	UN Montevideo, URG		45	0000	0600	1200	1800		
CWM 23	UN Colonia, URG		45	0400	1000	1600	2200		
CWM 27	UN La Paloma, URG		45	0200	0800	1400	2000		
CWM 30	UN Punta del Este, URG		45	0500	1100	1700	2300		
CWM 31	UN Salto, URG		30	0300	0900	1500	2100		
CWM 32	UN Laguna del Sauce, URG		30	0500	1100	1700	2300		
FFU	Brest - Le Conquet R, F	F	15	0118	0518	0918	1318	1718	2118
GCC	Cullercoats R, G	G	15	0048	0448	0848	1248	1648	2048
GNI	Niton R, G	S	15	0018	0418	0818	1218	1618	2018
GPK	Portpatrick R, G	O	15	0130	0530	0930	1330	1730	2130
HZG	Dammam R, ARS	G	15	0605	1205	1805			
HZH	Jeddah R, ARS	H	15	0705	1305	1905			
LGP	Bodoe R, NOR	B	10	0018	0418	0900	1218	1618	2100
LGQ	Rogaland R, NOR	L	10	0148	0548	0948	1348	1748	2148
LGV	Vardoe R, NOR	V	10	0300	0700	1100	1500	1900	2300
L2B	Buenos Aires R, ARG	A	45	0100	0700	1300	1900		
L2I	Bahia Blanca R, ARG	C	45	0300	0900	1500	2100		
L2P	Mar del Plata R, ARG	B	45	0200	0800	1400	2000		
L2W	Comodoro Rivadavia R, ARG	D	45	0400	1000	1600	2200		
L3D	Rio Gallegos R, ARG	E	45	0500	1100	1700	2300		
NMA	USCG Miami, FL, USA	A	30	0000	0600	1200	1800		
NMF	USCG Boston, MA, USA	F	30	0500	1100	1700	2300		
NMG	USCG New Orleans, LA, USA	G	30	0300	0900	1500	2100		
NMN	USCG Portsmouth, VA, USA	N	30	0130	0730	1330	1930		
NMR	USCG San Juan, PTR	R	30	0420	1020	1620	2220		
OST	Oostende R, BEL	T	7	0248	0648	1048	1448	1848	2248
PCH	Scheveningen R, HOL	P	5	0348	0748	1148	1548	1948	2348
SAH	Härnösand R, S	H	15	0000	0400	0800	1200	1600	2000
SDJ	Stockholm R, S	J	15	0330	0730	1130	1530	1930	2330
TAF	Samsun R, TUR	E		0040	0440	0840	1240	1640	2140
TAH	Istanbul R, TUR	D		0030	0430	0830	1230	1630	2030
TAL	Antalya R, TUR	F		0050	0450	0850	1250	1650	2050
TAN	Izmir R, TUR	I		0120	0520	0920	1320	1720	2120
TFA	Reykjavik R, ISL	R	12	0318	0718	1118	1518	1918	2318
UBE 4	Petropavl.-Km. R, FE, URS	P	30	0300	0700	1100	1500	1900	2300
UDC	Zhdanov R, UK, URS	B	30	0218	0518	0818	1118	1418	1718
				2018	2318				
UDE	Odessa R, UK, URS	C	30	0018	0318	0618	0918	1218	1518
				1818	2118				

(continued on page 400)

13 Q code

The QAA to QNZ series are reserved for the aeronautical service and the QOA to QQZ series are reserved for the maritime services. The series of groups QRA to QUZ are for use by all services.

Certain Q code abbreviations may be given an affirmative or negative sense by sending YES or NO respectively, immediately following the abbreviation.

The meanings assigned to Q code abbreviations may be amplified or completed by the addition of appropriate other groups, call signs, place names, figures, numbers, etc. It is optional to fill in the blanks shown in parentheses. Any data which is filled in where blanks appear shall be sent in the same order as shown in the text of the following tables.

Q code abbreviations are given the form of a question when followed by a question mark. When an abbreviation is used as a question and is followed by additional or complementary information, the question mark should follow this information.

Q code abbreviations with numbered alternative significations shall be followed by the appropriate figure to indicate the exact meaning intended. This figure shall be sent immediately following the abbreviation.

All times shall be given in Coordinated Universal Time (UTC) unless otherwise indicated in the question or reply.

In the following table, the meaning of a Q code abbreviation is given in the answer, information or advice form.

QAB	You are cleared (OR ... is cleared) by ... from ... (PLACE) to ... (PLACE) at flight level/altitude ...
QAF	I am (was) at (over) ... (PLACE) (at ... hours) at flight level/altitude ...
QAG	I am arranging my flight in order to arrive over ... (PLACE) at ... hours
QAH	I am at flight level/altitude ...
QAI	The essential traffic respecting your aircraft is ...
QAK	There is risk of collision
QAL	I am going to land at ... (PLACE)
QAM	Meteorological observation made at ... (PLACE) at ... hours was as follows
QAN	The surface wind direction and speed at ... (PLACE) at ... hours is ... (DIRECTION) ... (SPEED FIGURES AND UNITS)
QAO	The wind direction and speed at ... (POSITION OR ZONE/S) at flight level/altitude ... is ... (VERTICAL DISTANCE IN FIGURES AND UNITS) ... degrees true ... (SPEED IN FIGURES AND UNITS)
QAP	Listen for me (OR for ...) on ... kHz (... MHz)
QAQ	You are 1. near 2. flying within area ... (IDENTIFICATION OF AREA)
QAR	You may stop listening on the watch frequency for ... minutes
QAU	I am about to jettison fuel
QAW	I am about to carry out overshoot procedure
QAY	I passed ... (PLACE) bearing ... degrees relative to my heading at ... hours
QAZ	I am experiencing communication difficulties through flying in a storm
QBA	The horizontal visibility at ... (PLACE) at ... hours is ... (DISTANCE FIGURES AND UNITS)
QBB	The amount, type and height above official aerodrome elevation of the base of the cloud at ... (PLACE) at ... hours is ... eighths (... type) at ... (FIGURES AND UNITS) height above official aerodrome elevation
QBC	The meteorological conditions as observed from my aircraft at ... (POSITION OR ZONE) at ... hours at ... (FIGURES AND UNITS) height above ... (DATUM) are ...
QBD	My fuel endurance is ... (HOURS AND/OR MINUTES)
QBE	I am about to wind in my aerial

QBF	I am flying in cloud at flight level/altitude ... (and I am ascending (descending) to flight level/altitude ...)
QBG	I am flying above cloud and at flight level/altitude ...
QBH	I am flying below cloud and at flight level/altitude ...
QBI	Flight under IFR is compulsory at ... (PLACE) (OR from ... to ... (PLACE))
QBJ	At ... hours at ... (POSITION OR ZONE) the top of the cloud is amount ... eighths (... type) at ... (FIGURES AND UNITS) height above ... (DATUM)
QBK	I am flying with no cloud in my vicinity and at flight level/altitude ...
QBM	Here is the message sent by ... at ... hours
QBN	I am flying between two layers of cloud and at flight level/altitude ...
QBO	Flying under VFR is permissible at ... (PLACE) which would be suitable for your landing
QBP	I am flying in and out of cloud and at flight level/altitude ...
QBS	Ascend (OR descend) to ... (FIGURES AND UNITS) height above ... (DATUM) before encountering instrument meteorological conditions or if visibility falls below ... (FIGURES AND UNITS OF DISTANCE) and advise
QBT	The runway visual range at ... (PLACE) at ... hours is ... (DISTANCE FIGURES AND UNITS)
QBV	I have reached flight level/altitude ... (OR ... (AREA OR PLACE))
QBX	I have left flight level/altitude ... (OR ... (AREA OR PLACE))
QBZ	I am reporting my flying conditions in relation to clouds
QCA	I am changing my flight level/altitude from ... to ...
QCB	Delay is being caused by 1. your transmitting out of turn 2. your slowness in answering 3. lack of your reply to my ...
QCE	Expect approach clearance at ... hours
QCF	Delay indefinite. Expect approach clearance not later than ... hours
QCH	Cleared to taxi to ... (PLACE)
QCI	I am making a 360-degree turn immediately (turning to the ...)
QCS	My reception on ... frequency has broken down
QCX	My full call sign is ...
QCY	I am working on trailing aerial
QDB	I have sent message ... to ...
QDF	My D-value at ... (POSITION) at ... (FIGURES AND UNITS) height above the 1013.2 millibars datum is ... (D-VALUE FIGURES AND UNITS) ... (SPECIFY PLUS OR MINUS)
QDL	I intend to ask you for a series of bearings
QDM	The magnetic heading for you to steer to reach me (OR ...) with no wind was ... degrees (at ... hours)
QDP	I will accept control (OR responsibility) of (for) ... now (OR at ... hours)
QDR	Your magnetic bearing from me (OR from ...) was ... degrees (at ... hours)
QDT	I am flying in visual meteorological conditions
QDU	Cancelling my IFR flight
QDV	I am flying in a flight visibility of less than ... (FIGURES AND UNITS) at flight level/altitude ...
QEA	You may cross the runway ahead of you
QEB	Taxi as follows at the intersection ... (turn left LEFT turn right RITE)
QEC	You may make a 180-degree turn and return down the runway
QED	Follow the pilot vehicle
QEF	I have reached my parking area
QEG	I have left the parking area
QEH	I have moved to the holding position for runway number ...
QEJ	I am assuming take-off position for runway number ... and am holding
QEK	I am ready for immediate take-off
QEL	You are cleared to take-off (turn as follows after take-off ...)
QEM	The condition of the landing surface at ... (PLACE) is ...
QEN	Hold your position
QEO	I have cleared the runway (OR landing area)
QES	A right-hand circuit is in force at ... (PLACE)

QFA	The meteorological forecast for ... (FLIGHT, ROUTE, SECTION OF ROUTE OR ZONE) for the period ... hours until ... hours is ...
QFB	The 1. approach 2. runway lights are out of order 3. approach and runway
QFC	At ... (PLACE, POSITION OR ZONE) the base of the cloud is ... eighths ... type at ... (FIGURES AND UNITS) height above ... (DATUM)
QFD	1. The ... visual beacon (at ... (PLACE)) is in operation 2. I will extinguish the aerodrome visual beacon (at ... (PLACE)) until your landing is completed
QFE	If you set the subscale of your altimeter to read ... millibars, the instrument would indicate its height above aerodrome elevation (above treshold, runway number ...)
QFF	At ... (PLACE) the atmospheric pressure converted to mean sea level in accordance with meteorological practice is ... (OR was determined at ... hours to be) ... millibars
QFG	You are overhead
QFH	You may descend below the clouds
QFI	The aerodrome lights are lit
QFM	1. Maintain (OR fly at) flight level/altitude ... 2. I am maintaining flight level/altitude ... 3. I intend cruising at flight level/altitude ...
QFO	You may land immediately
QFP	The latest information concerning ... facility (at ... (PLACE)) is as follows ...
QFQ	The approach and runway lights are lit
QFR	Your landing gear appears damaged
QFS	The radio facility at ... (PLACE) is in operation (OR will be in operation in ... hours)
QFT	Ice formation has been observed at ... (POSITION OR ZONE) in the type of ... and with an accretion rate of ... between ... (FIGURES AND UNITS) heights above ... (DATUM)
QFU	The magnetic direction (OR number) of the runway to be used is ...
QFV	The floodlights are switched on
QFW	The length of runway ... now in use is ... (FIGURES AND UNITS)
QFX	I am working (OR am going to work) on a fixed aerial
QFY	The present meteorological landing conditions at ... (PLACE) are ...
QFZ	The aerodrome meteorological forecast for ... (PLACE) for the period ... hours until ... hours is ...
QGC	There are obstructions to the ... of runway ...
QGD	There are obstructions on your track ... (FIGURES AND UNITS) height above ... (DATUM)
QGE	Your distance to my station (OR to ...) is ... (DISTANCE FIGURES AND UNITS)
QGH	You may land using ... (PROCEDURE OR FACILITY)
QGK	I am making good a track from ... (PLACE) on ... degrees ... (TRUE OR MAGNETIC)
QGL	You may enter the ... (CONTROL AREA OR ZONE) at ... (PLACE)
QGM	Leave the ... (CONTROL AREA OR ZONE)
QGN	You are cleared to land (at ... (PLACE))
QGO	Landing is prohibited at ... (PLACE)
QGP	You are number ... to land
QGQ	Hold at ... (PLACE) at flight level/altitude ..., and await further clearance
QGT	Fly for ... minutes on a heading that will enable you to maintain a track reciprocal to your present one
QGU	Fly for ... minutes on a magnetic heading of ... degrees
QGV	I see you at ... (CARDINAL OR QUADRANTAL POINT OF DIRECTION) OR I can see the aerodrome OR I see ... (aircraft)
QGW	Your landing gear appears to be down and in place
QGZ	Hold on ... direction of ... facility

QHE	I am on 1. cross-wind leg 2. down-wind leg 3. base leg of approach 4. final leg
QHG	Cleared to enter traffic circuit at flight level/altitude ...
QHH	I am making an emergency landing
QHI	I am (OR ... is) 1. waterborne 2. on land at ... hours
QHQ	I am making a ... approach
QHZ	Circle the aerodrome (OR go around)
QIC	I will establish communication with ... radio station on ... kHz (OR ... MHz) now (OR at ... hours)
QIF	... is using ... kHz (OR ... MHz)
QJA	Your 1. tape 2. mark and space is reversed
QJB	I will use 1. radio 2. cable 3. telegraph 4. teletypewriter 5. telephone 6. receiver 7. transmitter 8. reperforator
QJC	I will check my 1. transmitter distributor 2. auto-head 3. perforator 4. reperforator 5. printer 6. printer motor 7. keyboard 8. antenna system
QJD	You are transmitting 1. in letters 2. in figures
QJE	Your frequency shift is 1. too wide 2. too narrow (by ... cycles) 3. correct
QJF	My signal as checked by monitor ... is satisfactory 1. locally 2. as radiated
QJG	Revert to automatic relay
QJH	Run 1. your test tape 2. a test sentence
QJI	I am transmitting a continuous 1. mark 2. space
QJK	I am receiving 1. a continuous mark 2. a continuous space 3. a mark bias 4. a space bias
QKC	The sea conditions (at ... position) ... 1. permit alighting but not take-off 2. render alighting extremely hazardous
QKF	You may expect to be relieved at ... hours (by 1. aircraft ... (IDENTIFICATION) (type ...) 2. vessel whose call sign is ... (CALL SIGN) (AND/OR whose name is ... (NAME))
QKG	Relief will take place when ... (IDENTIFICATION) establishes 1. visual 2. communications contact with survivors
QKH	The parallel sweep (track) search is being (OR to be) conducted 1. with direction of sweeps ... degrees ... (TRUE OR MAGNETIC) 2. with ... (DISTANCE FIGURES AND UNITS) separation between sweeps 3. at flight level/altitude ...

QKN	Aircraft plotted (believed to be you) in position ... on track ... degrees at ... hours
QKO	In the operation (... (IDENTIFICATION)), the following units are (OR will be) taking part ... (NAME OF UNITS)
QKP	The search pattern is 1. parallel sweep 2. square search 3. creeping line ahead 4. track crawl 5. contour search 6. combined search by aircraft and ship 7. ... (SPECIFY)
QLB	I have monitored ... station and report (BRIEFLY) as follows ...
QLH	I will know key simultaneously on ... frequency and ... frequency
QLV	The ... radio facility is still required
QMH	Shift to transmit and receive on ... kHz (OR ... MHz); if communication is not established within 5 minutes, revert to present frequency
QMI	The vertical distribution of cloud as observed from my aircraft at ... hours at ... (POSITION OR ZONE) is: lowest layer observed ... eighths (... type) with base of ... (FIGURES AND UNITS) and tops of ... (FIGURES AND UNITS) height above ... (DATUM)
QMU	The surface temperature at ... (PLACE) at ... hours is ... degrees and the dew point temperature at that time and place is ... degrees
QMW	At ... (POSITION OR ZONE) the zero Celsius isotherm(s) is (are) at flight level(s)/altitude(s) ...
QMX	At ... (POSITION OR ZONE) at ... hours the air temperature is ... (DEGREES AND UNITS) at flight level/altitude ...
QMZ	The following amendment(s) should be made to the flight forecast ...
QNE	On landing at ... (PLACE) at ... hours, with your subscale being set to 1013.2 millibars, your altimeter will indicate ... (FIGURES AND UNITS)
QNH	If you set the subscale of your altimeter to read ... millibars, the instrument would indicate its elevation if your aircraft were on the ground at my station at ... hours
QNI	Turbulence has been observed at ... (POSITION OR ZONE) with an intensity of ... between ... (FIGURES AND UNITS) and ... (FIGURES AND UNITS) heights above ... (DATUM)
QNO	I am not equipped to give the information (OR provide the facility) requested
QNR	I am approaching my point of no return
QNT	The maximum speed of the surface wind at ... (PLACE) at ... hours is ... (SPEED FIGURES AND UNITS)
QNY	The present weather and intensity thereof at ... (PLACE, POSITION OR ZONE) at ... hours is ...
QOA	I can communicate by radiotelegraphy (500 kHz)
QOB	I can communicate by radiotelephony (2182 kHz)
QOC	I can communicate by radiotelephony (channel 16 - frequency 156.80 MHz)
QOD	I can communicate with you in 0. Dutch 1. English 2. French 3. German 4. Greek 5. Italian 6. Japanese 7. Norwegian 8. Russian 9. Spanish
QOE	I have received the safety signal sent by ... (NAME AND/OR CALL SIGN)
QOF	The quality of your signal is 1. not commercial 2. marginally commercial 3. commercial
QOG	I have ... tapes to send
QOH	Send a phasing signal for ... seconds
QOI	Send your tape

QOJ	I am listening on ... kHz (OR ... MHz) for signals of emergency position-indicating radiobeacons
QOK	I have received the signals of an emergency position-indicating radiobeacon on ... kHz (OR ... MHz)
QOL	My vessel is fitted for the reception of selective calls. My selective call number or signal is ...
QOM	My vessel can be reached by a selective call on the following frequency/ies ... (PERIODS OF TIME TO BE ADDED IF NECESSARY)
QOO	I can send on any working frequency
QOT	I hear your call; the approximate delay is ... minutes
QRA	The name of my station is ...
QRB	The approximate distance between our stations is ... nautical miles (OR ... kilometres)
QRC	The accounts for charges of my station are settled by the private enterprise ... (OR state administration)
QRD	I am bound for ... from ...
QRE	My estimated time of arrival at ... (OR over ...) (PLACE) is ... hours
QRF	I am returning to ... (PLACE)
QRG	Your exact frequency (OR that of ...) is ... kHz (OR ... MHz)
QRH	Your frequency varies
QRI	The tone of your transmission is 1. good 2. variable 3. bad
QRJ	I have ... radiotelephone calls to book
QRK	The intelligibility of your signals (OR those of ...) is 1. bad 2. poor 3. fair 4. good 5. excellent
QRL	I am busy (OR I am busy with ...). Please do not interfere
QRM	I am being interfered with (1. nil 2. slightly 3. moderately 4. severely 5. extremely)
QRN	I am troubled by static (1. nil 2. slightly 3. moderately 4. severely 5. extremely)
QRO	Increase transmitter power
QRP	Decrease transmitter power
QRQ	Send faster (... words per minute)
QRR	I am ready for automatic operation. Send at ... words per minute
QRS	Send more slowly (... words per minute)
QRT	Stop sending
QRU	I have nothing for you
QRV	I am ready
QRW	Please inform ... that I am calling him on ... kHz (OR ... MHz)
QRX	I will call you again at ... hours (on ... kHz (OR ... MHz))
QRY	Your turn is number ... (OR ACCORDING TO ANY OTHER INDICATION)
QRZ	You are being called by ... (on ... kHz (OR ... MHz))
QSA	The strength of your signal (OR those of ...) is 1. scarcely perceptible 2. weak 3. fairly good 4. good 5. very good
QSB	Your signals are fading
QSC	I am a cargo vessel
QSD	Your keying is defective
QSE	The estimated drift of the survival craft is ... (FIGURES AND UNITS)

QSF	I have effected rescue and am proceeding to ... base (with ... persons injured requiring ambulance)
QSG	Send ... telegrams at a time
QSH	I am able to home on my D/F equipment (on station ...)
QSI	I have been unable to break in on your transmission
QSJ	The charge to be collected to ... including my internal charge is ... francs
QSK	I can hear you between my signals; break in on my transmission
QSL	I am acknowledging receipt
QSM	Repeat the last telegram which you sent me (OR telegram(s) number(s) ...)
QSN	I did hear you (OR ... (CALL SIGN)) on ... kHz (OR ... MHz)
QSO	I can communicate with ... direct (OR by relay through ...)
QSP	I will relay to ... free of charge
QSQ	I have a doctor on board (OR ... (NAME OF PERSON) is on board)
QSR	Repeat your call on the calling frequency; did not hear you (OR have interference)
QSS	I will use the working frequency ... kHz (NORMALLY ONLY THE LAST THREE FIGURES OF THE FREQUENCY NEED BE GIVEN)
QSU	Send or reply on this frequency (OR on ... kHz (OR ... MHz)) (with emissions of class ...)
QSV	Send a series of Vs on this frequency (OR ... kHz (OR ... MHz))
QSW	I am going to send on this frequency (OR on ... kHz (OR ... MHz)) (with emissions of class ...)
QSX	I am listening to ... (CALL SIGN(S) on ... kHz (OR ... MHz))
QSY	Change to transmission on another frequency (OR on ... kHz (OR ... MHz))
QSZ	Send each word or group twice (OR ... times)
QTA	Cancel telegram number ...
QTB	I do not agree with your counting of words; I will repeat the first letter or digit of each word or group
QTC	I have ... telegrams for your (OR for ...)
QTD	... (IDENTIFICATION) has recovered 1. ... (NUMBER) survivors 2. wreckage 3. ... (NUMBER) bodies
QTE	Your true bearing from me is ... degrees at ... hours
QTF	The position of your station according to the bearings taken by the D/F stations which I control was ... latitude, ... longitude (OR OTHER INDICATION OF POSITION), class ... at ... hours
QTG	I am going to send two dashes of ten seconds each followed by my call sign (repeated ... times) (on ... kHz (OR ... MHz))
QTH	My position is ... latitude, ... longitude (OR ACCORDING TO ANY OTHER INDICATION)
QTI	My true track is ... degrees
QTJ	My speed is ... knots (OR ... kilometres per hour OR ... statute miles per hour)
QTK	The speed of my aircraft in relation to the surface of the Earth is ... knots (OR ... kilometres per hour OR ... statute miles per hour)
QTL	My true heading is ... degrees
QTM	My magnetic heading is ... degrees
QTN	I departed from ... (PLACE) at ... hours
QTO	I have left dock (OR port) OR I am airborne
QTP	I am going to enter dock (OR port) OR I am going to alight (OR land)
QTQ	I am going to communicate with your station by means of the International Code of Signals
QTR	The correct time is ... hours
QTS	I will send my call sign for tuning purposes or so that my frequency may be measured now (OR at ... hours) on ... kHz (OR ... MHz)
QTT	The identification signal which follows is superimposed to another transmission
QTU	My station is open from ... to ... hours
QTV	Stand guard for me on the frequency of ... kHz (OR ... MHz) (from ... to ... hours)
QTW	Survivors are in ... condition and urgently need ...

QTX	I will keep my station open for further communication with you until further notice (OR until ... hours)
QTY	I am proceeding to the position of incident and expect to arrive at ... hours (on ... (DATE))
QTZ	I am continuing the search for ... (aircraft, ship, survival craft, survivors or wreckage)
QUA	Here is news of ... (CALL SIGN)
QUB	Here is the information requested: ...
QUC	The number (OR OTHER INDICATION) of the last message I received from you (OR from ... (CALL SIGN)) is ...
QUD	I have received the urgency signal sent by ... (CALL SIGN OF MOBILE STATION) at ... hours
QUE	I can use telephony in ... (LANGUAGE) on ... kHz (or ... MHz)
QUF	I have received the distress signal sent by ... (CALL SIGN) OF MOBILE STATION) at ... hours
QUG	I am forced to alight (OR land) immediately
QUH	The present barometric pressure at sea level is ... (UNITS)
QUI	My navigation lights are working
QUJ	The true track to reach me (OR ...) is ... degrees at ... hours
QUK	The sea at ... (PLACE OR COORDINATES) is ...
QUL	The swell at ... (PLACE OR COORDINATES) is ...
QUM	Normal working may be resumed
QUN	My position, true course and speed are ...
QUO	Please search for 1. aircraft 2. ship 3. survival craft in the vicinity of ... latitude, ... longitude (OR ACCORDING TO ANY OTHER INDICATION)
QUP	My position is indicated by 1. searchlight 2. black smoke trail 3. pyrotechnic lights
QUQ	Please train your searchlight on a cloud, occulting if possible and, if my aircraft is seen or heard, deflect the beam up wind and on the water (OR land) to facilitate my landing
QUR	Survivors 1. are in possession of survival equipment dropped by ... 2. have been picked up by rescue vessel 3. have been reached by ground rescue party
QUS	Have sighted 1. survivors in water 2. survivors on rafts 3. wreckage in position ... latitude, ... longitude (OR ACCORDING TO ANY OTHER INDICATION)
QUT	Position of incident is marked by 1. flame or smoke float 2. sea marker 3. sea marker dyce 4. ... (SPECIFY OTHER MARKING)
QUU	Home ship or aircraft ... (CALL SIGN) 1. to your position by transmitting your call sign and long dashes on ... kHz (OR ... MHz) 2. by transmitting on ... kHz (OR ... MHz) true track to reach you
QUW	I am in the ... (DESIGNATION) search area
QUX	I have the following navigational warning(s) or gale warning(s) in force: ...
QUY	Position of survival craft was marked at ... hours by 1. flame or smoke float 2. sea marker 3. sea marker dyce 4. ... (SPECIFY OTHER MARKING)
QUZ	Distress phase still in force; restricted working my be resumed

14 Z code

This code, formerly developed as a service code of Cable & Wireless Ltd., is used nowadays for overall ratings in radiotelegraphy and radiotelephony.

In the following table, the meaning of a Z code abbreviation is given in the answer, information or advice form, if different forms exist. An asterisk * indicates military usage. When numbers 1-5 follow the Z code abbreviation, they are to be keyed according to the following scale:

1. Very slight
2. Slight
3. Moderate
4. Severe
5. Extreme

ZAA*	You are not observing circuit discipline
ZAB*	Your speed key is improperly adjusted
ZAC	Advise (CALL SIGN OF) the frequency you are reading .. running dual for you
ZAC*	Cease using speed key
ZAD*	Signal 1. not understood 2. not held
ZAE*	Unable to receive you, try via ...
ZAF*	Reroute the circuit by patching
ZAH*	Unable to relay, we file
ZAI*	Run (FOXES, RY´S, MK, ETC.)
ZAJ*	Have been unable to break you
ZAK	Transmission interrupted at ... hours
ZAL	Alter your wavelength
ZAL*	Closing down due to ...
ZAN	We can receive absolutely nothing
ZAN*	Only transmit telegrams with precedence ... (Z, Y, O, P, R, M) or higher
ZAO*	Can´t understand voice, use telegraphy
ZAP	Acknowledge, please
ZAP*	Use traffic 1. simplex 2. duplex 3. diplex 4. multiplex 5. SSB ISB
ZAQ*	The last word 1. I received 2. transmitted was ...
ZAR	Revert to automatic relay
ZAS*	Rerun tapes on ... since ...
ZAT*	Punching tape for transmission
ZAV*	Send blind until advised
ZAX	You are causing interference 1. listen before transmitting 2. by ignoring my wait signal 3. by transmitting simultaneously with ... 4. by answering too slowly 5. by answering too slowly my call to you. You´re causing a delay 6. by not answering on your turn
ZAY*	Send on ... kHz. Will confirm later
ZBA	Cause of delay is ...
ZBB	Make ... copies of the following message
ZBD*	Following was sent ... hours
ZBE*	Retransmit message ... to ... for 1. action 2. information 3. comment
ZBF	Use large message formula for the following telegram
ZBG*	You are sending upper case
ZBH*	Make call before transmitting traffic

ZBI*	Listen for telephony
ZBL*	Do not use break-in
ZBM*	Put ... (SPEED OPR.) this frequency
ZBN	Break and go ahead with new slip
ZBN*	Your tape reversed
ZBO*	I have traffic
ZBP*	1. Characters indistinct 2. Spacing bad
ZBQ*	When and on what frequency was message received ?
ZBR	Break circuit, retuning
ZBR*	Transmit your message via the 1. R (receipt) 2. F (not answer) 3. I (interruption) method 4. G (read back)
ZBS	Your signals blurring
ZBT*	Count ... as ... groups
ZBU*	Report when in communication with ...
ZBV*	Answer on ... MHz
ZBW*	I (OR station ...) changes for transmission on ... kHz
ZBX*	I (OR station ...) changes for reception to ... kHz
ZBY	Break, go back yard (OR metre)
ZCA	Circuit seriously affected. All signals or channels from ... unreadable. Please try to supply us with a readable signal or any frequency that circuit for contact
ZCB	Circuit interrupted (OR broken). Signals unheard. Please cover and supply any ... heard
ZCC	Collate code
ZCD	Your collation is different
ZCF	Check your center frequency, please
ZCI	Circuit interrupted. We are advised that ... running and available. Please cover also and supply the signal which first becomes usable.
ZCK	Check keying
ZCL	Transmit call letters intelligibly (international morse code, at speed not exceeding 24 words per minute, or by voice) for station identification
ZCO	Your collation omitted
ZCP	Local receiving conditions poor; please increase to maximum
ZCR	Now using concentrator. Please make warning signals
ZCS	Cease sending
ZCT	Send code twice
ZCW	Are you in direct communication with ... ?
ZDA*	Here formal message, priority ...
ZDB*	Accelerate answering my 1. preceded Z code 2. requests for repeat and correction 3. signal serving message
ZDC	We are diagnosing circuit faults, and will advise shortly
ZDC*	Last message transmitted requests execution signal
ZDE	Message undelivered; 1. will keep trying 2. advise disposal 3. cancelling 4. btr ads
ZDE*	Message ... undelivered
ZDF	Your frequency is drifting to degree indicated
ZDF*	Message ... received by addressee
ZDG*	Accuracy of following doubtful
ZDH	Your dots are too heavy (long), adjust lighter
ZDJ*	I have a message of ... groups for you
ZDK*	The following is a repeat as requested
ZDL	Your dots are too light (short), adjust heavier
ZDL*	Approval 1. is omitted 2. differs in its contents
ZDM	Your dots missing
ZDM*	This is a multiple-addressee message

ZDN*	Report disposal of message ...
ZDO*	I have been unable to transmit the message to ...
ZDQ*	Message ... relayed to ... at ...
ZDS*	Message just transmitted erroneous. Correct version is ...
ZDT	Following transmitters running dual
ZDT*	Don´t transmit exercise messages until advised
ZDV	Your dots varying length, please remedy
ZDV*	Private message received for ..., advise
ZDY*	No private messages until ordered
ZEC*	Message 1. not received 2. undelivrable
ZED	We are experiencing drop-outs to degree indicated
ZEF	We are experiencing fill-ins to degree indicated
ZEG	We are experiencing garbles to degree indicated
ZEH	1. Correctness of service part 2. Text parts 3. Groups ... till ... is doubtful. Approval will be given after receipt
ZEI*	Accuracy of heading doubtful
ZEK*	No answer required
ZEL*	This message is correction to ...
ZEN	Drop copy to unit having same routing indicator as originator
ZEN*	This message is classified
ZEO*	Parts marked ZEP coming later
ZES*	Your message ... received 1. not complete, 2. distorted, I request retransmission
ZEU*	Exercise (drill message) coming now
ZEV*	This is an acknowledgement of message ...
ZEX*	This is a booking message, it may be delivered to addressees for who you are responsable
ZFA	Failing auto
ZFA*	Message intercepted or copied blind
ZFB	Signals are fading badly
ZFB*	Pass this message to ...
ZFC	Check your FSK shift, please
ZFD	Depth of fading of your signal is as indicated
ZFD*	This message is a suspected duplicate
ZFF	Please observe and furnish FRAME code reports on ... (CALL LETTERS AND FREQUENCY IN KHZ)
ZFF*	Advise when message received by ...
ZFH*	Message by ... for 1. action 2. information 3. comment
ZFI*	Reply to message? There is no reply
ZFK	Revert to FSK
ZFL*	The following ... was addressed to you between serial number ... and ... of this network
ZFO	Signals faded out
ZFQ	Frequency shift of your signal is ... Hz
ZFR	Rapidity of fading of your signal is as indicated
ZFR*	Cancel transmission
ZFS	Signals are fading slightly
ZGA*	The call sign assigned to you is ...
ZGB*	Answer in alphabetical numerical order
ZGC*	Answer in alphabetical numerical order and transmit your call sign ... times
ZGE*	Transmit your call sign ... times
ZGF	... signals good for ... words per minute
ZGF*	Make call signs more distinctly
ZGG*	Call sign of ... is ...
ZGI*	... has called you on ... kHz
ZGJ*	I´l call you back at ... hours on ... kHz

ZGK*	Call me back at ... hours on ... kHz
ZGL*	... will answer for me or for ...
ZGM*	I was not able to contact you since ... hours
ZGN*	Nothing was heard from you since ... hours
ZGO*	Your number is ..., answer after ...
ZGP	Please give priority
ZGP*	Answer each station calling me on ... kHz
ZGS	Your signals getting stronger
ZGW	Your signals getting weaker
ZHA	How are your conditions for auto reception?
ZHA*	Lower your frequency to avoid interference
ZHB*	Raise your frequency to avoid interference
ZHC	How are your receiving conditions?
ZHM	Indicating reception of harmonic radiation from some transmitter, followed by indication of the order of the harmonic followed by the microvolt input to receiver of the radiation
ZHS	Send high speed auto ... words per minute
ZHY	We are holding your ...
ZIA*	This message is sent outside the normal serial numbers
ZIB*	Correct serial number of message ...
ZIC*	The last message sent by me was ...
ZII*	The last message received by me was ...
ZIM	Interruption caused by industrial or medical interference of the degree indicated
ZIP	Increase power
ZIP*	Postal address is ...
ZIR	Your transmitter has strong idle radiation
ZIS	Intensity of atmospheric interference on ... of severity indicated
ZJF	Your frequency is jumping to degree indicated
ZJJ*	Wire via the double-flash method
ZJO*	Compare each group of text
ZKA*	Who is controlling station?
ZKB*	Permission necessary before transmitting messages
ZKC*	Replace this Z code by the call sign or code name of the control station
ZKD*	Take control of net ...
ZKE*	I (OR ...) report(s) into circuit (net)
ZKF*	Station leaves net temporarily
ZKI	Listen on ... kHz 1. continuously 2. till new order
ZKJ*	1. Close your station 2. I close my station until ... hours
ZKL*	Resume radio watch on ... hours
ZKM*	Keep radio watch on ... kHz
ZKO	Revert to on/off keying
ZKP*	... has radio watch for station ... on ... kHz
ZKQ	Say when ready to resume
ZKR*	I am maintaining a watch on ... kHz (OR ... MHz)
ZKS*	What station keeps watch on ...?
ZKW	The key weight of your signal is ... (EXPRESSED IN %)
ZLB	Give long breaks, please
ZLD	We are getting long dash from you
ZLL	Distorted landline control signals apparently caused by control wire pickup
ZLP	Low (minimum) power
ZLS	We are suffering from a lightning storm
ZMH	Magnetic activity
ZMO	Stand by a moment
ZMP	Mispunch OR perforator failures
ZMQ	Stand by for ...
ZMU	Multipath effect causing ... signals to appear heavy. (FOLLOWED BY INDICATION OF PERCENTAGE OF MARKING IF ABLE TO ESTIMATE)
ZNB	We do not get your breaks, we send twice
ZNC	No communication with ...

ZNC*	All transmissions on 1. all radionets 2. this radionet must be confirmed 3. ...
ZND*	Your certification is incorrect; 1. verify your code book 2. check confirmation of last message
ZNE*	The last transmission on this radionet 1. ... 2. by station ... was authentic
ZNG	Receiving conditions no good for code
ZNI	No call letters (identification) heard
ZNJ*	Message may be forwarded by radio or unsafe liaisons
ZNL*	Questions concerning the text of this message must be directed to the encoding officer of station ...
ZNM*	Check the encoding message and repeat
ZNN	All clear for traffic
ZNO	Not on the air
ZNR	Not received
ZNS	Here new slip
ZOA	We chave checked ... (TRANSMITTER CALL SIGN) signals are radiating on air okay
ZOC*	Relay to your sub-stations
ZOD	We are observing ... and will make transition when as good or better
ZOD*	Act as a radio link between me and ...
ZOE*	Can you accept message? Give me message
ZOF*	Relay this message
ZOG*	Transmit this message to station ... 1. for action 2. for information
ZOH	What traffic have you on hand?
ZOH*	Transmit this message to ... on ... kHz via the ... method
ZOJ*	I can´t forward this message because 1. the call sign of the code name is not encoded 2. the contents are not encoded
ZOK	We are receiving okay
ZOK*	Relay this message via ...
ZOL	Okay on line
ZOM*	Mail delivery possible
ZOR	Transmit only reversals
ZOU*	Give instructions on routing traffic
ZOZ*	Obtain retransmission of message ...
ZPA	Printer line advance (feed) not received
ZPA*	Your speech distorted
ZPC	Printer carriage return not received
ZPC*	Signals fading to degree indicated
ZPE	Punch everything
ZPE*	I transmit with maximum power
ZPF	Printer motor fast
ZPF*	Readibility is as indicated
ZPG*	Signal strength is as indicated
ZPO	Send plain once
ZPP	Punch plain only
ZPR	Re-run slip at present running
ZPS	Printer motor slow
ZPT	Send plain twice
ZRA	Reversed auto tape
ZRA*	Your frequency is 1. correct 2. ... kHz higher 3. ... kHz lower
ZRB	Your relayed signal is bad; please adjust your received signal
ZRB*	Check your frequency on this circuit
ZRC	Can you receive code?
ZRC*	Adjust your frequency on the 1. correct frequency 3. frequency of my transmitter
ZRE*	Hear you best on ... kHz

ZRF*	Send tuning signals on present frequency
ZRG*	Changing frequency will be necessary on ... hours
ZRK	Reversed keying
ZRL	Re-run slip before one now running
ZRM	Please remove modulation from ...
ZRM*	I receive ... (USB, LSB, ISBs)
ZRN	Rough note
ZRO	Are you receiving okay?
ZRR	Run reversals
ZRS	Re-run message number ... (OR slip containing message number ...)
ZRT	Revert to traffic
ZRY	Run test slip, please
ZSF	Send faster
ZSH	Static heavy here
ZSI	Please furnish signal intensity of ... (MICROVOLTS INPUT TO RECEIVER)
ZSM	Microvolt input to receiver is ...
ZSN	Please observe and furnish SINPO code reports on ... (CALL LETTERS AND FREQUENCY IN KHZ)
ZSO	Transmit slips once
ZSR	Your signals strong readable
ZSS	Send slower
ZST	Transmit slips twice
ZSU	Your signals are unreadable
ZSV	Your speed varying
ZTA	Transmit by auto
ZTD*	Please use ...
ZTE*	I am not able to use ...
ZTG*	1. radiotelegraphy 2. modulated radiotelegraphy 3. radiotelephony transmission 4. radioteletype 5. radiobearing
ZTH	Transmit by hand
ZTH*	1. FM 2. AM 3. PM transmission 4. FSK 5. AJ
ZTI	Transmitter temporarily interrupted
ZTI*	1. Receiver 2. Transmitter 3. Power supply 4. Antenna system
ZTJ*	Stop using ...
ZUA	Our conditions unsuitable for undulator or automatic recording
ZUA*	Timing signal will be transmitted
ZUB	We have been unable to break you
ZUB*	At ... hours
ZUC	Unable to comply. Will do so at ...
ZUE*	Affirmative (yes)
ZUG*	Negative (no)
ZUH*	Unable to comply
ZUI*	Your attention is drawn to ...
ZUJ*	Wait. Stand by
ZUK*	... is ready for keying with ...
ZVB	Varying bias
ZVF	Signals varying in frequency
ZVP	Send V´s please
ZVR*	Pass at once to sub-stations
ZVS	Signals varying in intensity
ZWB*	Name of operator on watch
ZWC	Wipers or clicks here

ZWF*	Inexact
ZWG*	Correct
ZWL*	Except ...
ZWO	Send words once
ZWR	Your signal weak but readable
ZWS	Wavelength (frequency) is swinging to degree indicated
ZWT	Send words twice
ZXA	We are adjusting (OR please adjust) to receive speeds ...
ZXC	Pictures ... conditionally accepted. Will advise
ZXD	Send dashes, please
ZXF	You are floating fast
ZXH	Your limits are high. Please reduce ... Hz
ZXJ	You are jumping out of phase
ZXK	Is your synchronizing correct?
ZXL	Your limits are low. Please increase ... Hz
ZXO	Last run defaced due to ...
ZXP	Go ahead with pictures
ZXS	You are floating slow
ZXV	Your modulation is varying
ZYA	Cease traffic on all channels; send A´s on A channel for lineup
ZYC	Cycling on automatic error correction with 7-unit errors stored at your end
ZYK	Your keying on ... channel affected; please check
ZYN	Reduce the bias
ZYO*	Message originated with mobile units
ZYP	Change from multiplex to single printer
ZYR	Please put ... on multiplex revolutions
ZYS	The speed of transmission is ...
ZYT	Check your thyratrons
ZYT*	Forward this message without service action
ZYX	Please revert to multiplex revolutions ... channels
ZZA*	Tell name of operator who has transmitted last message (OR message ...)
ZZF*	Incorrect
ZZG*	Correct
ZZH*	Try again
ZZN*	Message is a drill message for 1. beginning operators 2. advanced operators 3. operators on watch
ZZO*	Beginning operator

(continued from page 385)

UFA	Batumi R, GE, URS	A	30	0418	0718	1018	1318	1618	1918
				2218					
UFO	Kholmsk R, FE, URS	C	30	0130	0430	0730	1030	1330	1630
				1930	2230				
UGE	Arkhangelsk R, RU, URS	F	30	0200	0600	1000	1400	1800	2200
UIK	Vladivostok R, SE, URS	A	30	0000	0400	0800	1200	1600	2000
UMN	Murmansk R, RU, URS	C	30	0120	0520	0920	1320	1720	2120
UNC	Tallinn R, ES, URS	U	30	0030	0430	0830	1230	1630	2030
YUS	Split R, YUG	Y	10	0700	1300	1900			
5BA	Nicosia R, CYP	M	10	0200	0600	1000	1400	1800	2200

15 Phonetic alphabet and figure code

15.1 When it is necessary to spell out call signs, service abbreviations and words, the following letter spelling table shall be used:

letter to be transmitted	code word to be used	spoken as*
A	Alfa	AL fah
B	Bravo	BRAH voh
C	Charlie	CHAR lee / SHAR lee
D	Delta	DELL tah
E	Echo	ECK oh
F	Foxtrott	FOKS trot
G	Golf	golf
H	Hotel	hoh TELL
I	India	IN dee ah
J	Juliett	JEW lee ETT
K	Kilo	KEY loh
L	Lima	LEE mah
M	Mike	mike
N	November	no VEM ber
O	Oscar	OSS cah
P	Papa	pah PAH
Q	Quebec	keh BECK
R	Romeo	ROW me oh
S	Sierra	see AIR rah
T	Tango	TANG go
U	Uniform	YOU nee form / OO nee form
V	Victor	VIK tah
W	Whiskey	WISS key
X	X-ray	ECKS RAY
Y	Yankee	YANG key
Z	Zulu	ZOO loo

* The syllables to be emphasized are written in capitals

15.2 When it is necessary to spell out figures or marks, the following table shall be used:

figure or mark to be transmitted	code word to be used	spoken as**
0	Nadazero	nah-dah-zay-roh
1	Unaone	oo-nah-wun
2	Bissotwo	bees-soh-too
3	Terrathree	tay-rah-tree
4	Kartefour	kar-tay-fower
5	Pantafive	pan-tah-five
6	Soxisix	sok-see-six
7	Setteseven	say-tay-seven
8	Oktoeight	ok-toh-ait
9	Novenine	no-vay-niner
decimal point	Decimal	day-see-mal
full stop	Stop	stop

** Each syllable should be equally emphasized

15.3 However, stations of the same country, when communicating between themselves, may use any other table recognized by their administration.

16 SINPO and SINPFEMO codes

SINPO signal reporting code

	S	I	N	P	O
		degrading effect of			
rating scale	signal strength	interference	noise	propagation disturbance	overall rating
5	excellent	nil	nil	nil	excellent
4	good	slight	slight	slight	good
3	fair	moderate	moderate	moderate	fair
2	poor	severe	severe	severe	poor
1	barely audible	extreme	extreme	extreme	unusable

SINPFEMO signal reporting code

	S	I	N	P	F	E	M	O
		degrading effect of				modulation		
rating scale	signal strength	interference	noise	propagation disturbance	frequency of fading	quality	depth	overall rating
5	excellent	nil	nil	nil	nil	excellent	maximum	excellent
4	good	slight	slight	slight	slow	good	good	good
3	fair	moderate	moderate	moderate	moderate	fair	fair	fair
2	poor	severe	severe	severe	fast	poor	poor or nil	poor
1	barely audible	extreme	extreme	extreme	very fast	very poor	continuously overmodulated	unusable

Special remarks:

a) A signal report shall consist of the code word SINPO or SINPFEMO followed by a group of five or eight numerals, rating, respectively, the five or eight characteristics of the particular signal code.

b) The letter X shall be used instead of a numeral for characteristics not rated.

c) Although the code word SINPFEMO is intended for radiotelephony, it may be used for radiotelegraphy.

d) The overall rating for radiotelegraphy shall be as indicated in Tables I and II:

Table I	overall rating		mechanized operations
	5	excellent	4-channel time-division multiplex
	4	good	2-channel time-division multiplex
	3	fair	marginal single start-stop printer
	2	poor	BKs, XQs and call signs readable
	1	unusable	unreadable

Table II	overall rating		morse operation
	5	excellent	high speed
	4	good	100 wpm
	3	fair	50 wpm
	2	poor	BKs, XQs and call signs readable
	1	unusable	unreadable

e) The overall rating for telephony shall be as indicated in Table III:

Table III	overall rating		operating condition	quality
	5	excellent	signal quality unaffected	commercial
	4	good	signal quality slightly affected	commercial
	3	fair	signal quality seriously affected; channel usable by operators or by experienced subscribers	marginally commercial
	2	poor	channel just usable by operators	not commercial
	1	unusable	channel unusable by operators	not commercial

(continued from page 384)

2245 500 hPa height/temperature/wind prognosis VT1200 (H+24)
2300 400 hPa height/temperature/wind prognosis VT1200 (H+24)
2315 GOES satellite picture North Atlantic (ch 15)
2330 300 hPa height/temperature/wind prognosis VT1200 (H+24)
2345 freezing level prognosis VT1200 (H+24)

USN San Francisco, CA 9090.0 NPG

(schedule see under USN Pearl Harbour, Hawaii)

17 Designation of emissions

RR 264 Emissions shall be designated according to their necessary bandwidth and their classification.

RR 265 Examples of emissions designated in accordance with this Article are given in Appendix 6, Part B. Further examples may appear in the latest CCIR Recommendations. These examples may also be published in the Preface to the International Frequency List.

Section I – Necessary bandwidth

RR 266 The necessary bandwidth, as defined in RR 146 and determined in accordance with Appendix 6, Part B, shall be expressed by three numerals and one letter. The letter occupies the position of the decimal point and represents the unit of bandwidth. The first character shall be neither zero nor K, M or G.

RR 267 Necessary bandwidths:
between 0.001 and 999 Hz shall be expressed in Hz (letter H);
between 1.00 and 999 kHz shall be expressed in kHz (letter K);
between 1.00 and 999 MHz shall be expressed in MHz (letter M);
between 1.00 and 999 GHz shall be expressed in GHz (letter G).

Examples:	0.002 Hz = H002	6 kHz = 6K00	1.25 MHz = 1M25
	0.1 Hz = H100	12.5 kHz = 12K5	2 MHz = 2M00
	25.3 Hz = 25H3	180.4 kHz = 180K	10 MHz = 10M0
	400 Hz = 400H	180.5 kHz = 181K	202 MHz = 202M
	2.4 kHz = 2K40	180.7 kHz = 181K	5.65 GHz = 5G65

Section II – Classification

RR 268 The class of emission is a set of characteristics conforming to RR 269.

RR 269 Emissions shall be classified and symbolized according to their basic characteristics as given in RR 270 and any optional additional characteristics as provided for in Appendix 6, Part A.

RR 270 The basic characteristics (see RRs 271, 272, 273) are:
(1) first symbol – type of modulation of the main carrier;
(2) second symbol – nature of signal(s) modulating the main carrier;
(3) third symbol – type of information to be transmitted.
Modulation used only for short periods and for incidental purposes (such as, in many cases, for identification and calling) may be ignored provided that the necessary bandwidth as indicated is not thereby increased.

RR 271 First symbol – type of modulation of the main carrier

Emission of an unmodulated carrier	N
Emission in which the main carrier is amplitude-modulated (including cases where sub-carriers are angle-modulated)	
– Double-sideband	A
– Single-sideband, full carrier	H
– Single-sideband, reduced or variable level carrier	R
– Single-sideband, suppressed carrier	J
– Independent sidebands	B
– Vestigial sideband	C
Emission in which the main carrier is angle-modulated	
– Frequency modulation	F
– Phase modulation	G
Emission in which the main carrier is amplitude- and angle-modulated either simultaneously or in a pre-established sequence	D
Emission of pulses (emissions where the main carrier is directly modulated by a signal which has been coded into quantized form (e.g. pulse code modulation) should be designated under amplitude modulation or angle modulation above)	
– Sequence of unmodulated pulses	P

– A sequence of pulses	
– modulated in amplitude	K
– modulated in width/duration	L
– modulated in position/phase	M
– in which the carrier is angle-modulated during the period of the pulse	Q
– which is a combination of the foregoing or is produced by other means	V
Cases not covered above, in which an emission consists of the main carrier modulated, either simultaneously or in a pre-established sequence, in a combination of two or more of the following modes: amplitude, angle, pulse	W
Cases not otherwise covered	X

RR 272 Second symbol – nature of signal(s) modulating the main carrier

No modulating signal	0
A single channel containing quantized or digital information without the use of a modulating sub-carrier (this excludes time-division multiplex)	1
A single channel containing quantized or digital information with the use of a modulating sub-carrier (this excludes time-division multiplex)	2
A single channel containing analogue information	3
Two or more channels containing quantized or digital information	7
Two or more channels containing analogue information	8
Composite system with one or more channels containing quantized or digital information, together with one or more channels containing analogue information	9
Cases not otherwise covered	X

RR 273 Third symbol – type of information to be transmitted (in this context the word "information" does not include information of a constant, unvarying nature such as is provided by standard frequency emissions, continuous wave and pulse radars, etc.)

No information transmitted	N
Telegraphy – for aural reception	A
Telegraphy – for automatic reception	B
Facsimile	C
Data transmission, telemetry, telecommand	D
Telephony (including sound broadcasting)	E
Television (video)	F
Combination of the above	W
Cases not otherwise covered	X

Appendix 6 Part A – Additional characteristics for the classification of emissions

For a more complete description of an emission, two optional additional characteristics should be added. These are: Fourth symbol – Details of signal(s)
Fifth symbol – Nature of multiplexing

Where the fourth or the fifth symbol is not used this should be indicated by a dash where each symbol would otherwise appear.

1. Fourth symbol – Details of signal(s)

Two-condition code with elements of differing numbers and/or durations	A
Two-condition code with elements of the same number and duration without error-correction	B
Two-condition code with elements of the same number and duration with error-correction	C
Four-condition code in which each condition represents a signal element (of one or more bits)	D
Multi-condition code in which each condition represents a signal element (of one or more bits)	E
Multi-condition code in which each condition or combination of conditions represents a character	F
Sound of broadcasting quality (monophonic)	G

Sound of broadcasting quality (stereophonic or quadrophonic)	H
Sound of commercial quality (excluding categories given below)	J
Sound of commercial quality with the use of frequency inversion or band-splitting	K
Sound of commercial quality with separate frequency-modulated signals to control the level of demodulated signal	L
Monochrome	M
Colour	N
Combination of the above	W
Cases not otherwise covered	X
2. Fifth symbol - Nature of multiplexing	
None	N
Code-division multiplex (this includes bandwidth expansion techniques)	C
Frequency-division multiplex	F
Time-division multiplex	T
Combination of frequency-division multiplex and time-division multiplex	W
Other types of multiplexing	X

Appendix 6 Part B - Examples for the designation of emissions

NONE	continuous wave emission
100H A1AAN	amplitude modulation; signal with quantized or digital information; continuous wave telegraphy, Morse code; bandwidth 100 Hz
2K10 A2AAN	amplitude modulation; signal with quantized or digital information; telegraphy by on-off keying of a tone modulated carrier, Morse code; bandwidth 2.1 kHz
8K00 A3EGN	amplitude modulation; sound broadcasting; double-sideband; bandwidth 8 kHz
6K00 A3EJN	amplitude modulation; telephony (commercial quality); double-sideband (single channel); bandwidth 6 kHz
328K A8E--	amplitude modulation; composite emissions; double-sideband radio-relay system, frequency division multiplex; bandwidth 328 kHz
13M1 A8W--	amplitude modulation; composite emissions; double-sideband, television relay; bandwidth 13.13 MHz
20K9 A9WWF	amplitude modulation; composite emissions; double-sideband emission of VOR with voice (VOR = VHF omnidirectional radio range); bandwidth 20.94 kHz
6K00 B8EJN	amplitude modulation; telephony (commercial quality); independent side-band (two or more channels); bandwidth 6 kHz
12K0 B9WWF	amplitude modulation; composite emissions; independent sidebands; several telegraph channels with error-correction together with several telephone channels with privacy; frequency division multiplex; bandwidth 12 kHz
6M25 C3F--	amplitude modulation; television; vision; bandwidth 6.25 MHz
304H F1BBN	frequency modulation; signal with quantized or digital information; telegraphy without error-correction (single channel); bandwidth 304 Hz
304H F1BCN	frequency modulation; signal with quantized or digital information; selective calling signal; bandwidth 304 Hz
304H F1BCN	frequency modulation; signal with quantized or digital information; telegraphy, narrow-band direct-printing with error-correction (single channel); bandwidth 304 Hz
1K98 F1C--	frequency modulation; facsimile; facsimile by direct frequency modulation of the carrier; black and white; bandwidth 1.98 kHz
1K98 F3C--	frequency modulation; facsimile; analogue facsimile; bandwidth 1.98 kHz
180K F3EGN	frequency modulation; sound broadcasting; bandwidth 180 kHz
750K F3EGN	frequency modulation; television; sound; bandwidth 750 kHz
16K0 F3EJN	frequency modulation; telephony (commercial quality); commercial telephony; bandwidth 16 kHz
1K42 F7BDX	frequency modulation; signal with quantized or digital information; four-frequency duplex telegraphy; bandwidth 1.42 kHz
300K F8EHF	frequency modulation; composite emissions; stereophonic sound broadcasting with multiplexed subsidiary telephony sub-carrier; bandwidth 300 kHz

3M70 F8EJF	frequency modulation; composite emissions; radio-relay system, frequency division multiplex; bandwidth 3.702 MHz
2K11 H2BFN	amplitude modulation; signal with quantized or digital information; selective calling signal using sequential single frequency code, single-sideband full carrier; bandwidth 2.11 kHz
3K00 H3EJN	amplitude modulation; telephony (commercial quality); single-sideband, full carrier (single channel); bandwidth 3 kHz
134H J2BCN	amplitude modulation; signal with quantized or digital information; direct-printing telegraphy using a frequency shifted modulating subcarrier, with error-correction, single-sideband, suppressed carrier (single channel); bandwidth 134 Hz
1K98 J3C--	amplitude modulation; facsimile; analogue facsimile; frequency modulation of an audio frequency sub-carrier which modulates the main carrier, single-sideband suppressed carrier; bandwidth 1.98 kHz
4K45 J3EGN	amplitude modulation; sound broadcasting; single-sideband; suppressed; bandwidth 4.45 kHz
2K70 J3EJN	amplitude modulation; telephony (commercial quality); single-sideband, suppressed carrier (single channel); bandwidth 2.7 kHz
5K75 J8EKF	amplitude modulation; telephony (commercial quality); telephony with privacy, single-sideband, suppressed carrier (two or more channels); bandwidth 5.75 kHz
8M00 M7EJT	pulse modulation; composite emissions; radio-relay system; bandwidth 8 MHz
3M00 PONAN	pulse modulation; radar; unmodulated pulse emission; bandwidth 3 MHz
2K89 R3CMN	amplitude modulation; facsimile; analogue facsimile by sub-carrier frequency modulation of a single-sideband emission with reduced carrier, monochrome; bandwidth 2.89 kHz
4K00 R3EGN	amplitude modulation; sound broadcasting; single-sideband; reduced carrier (single channel); bandwidth 4 kHz
2K99 R3ELN	amplitude modulation; telephony (commercial quality); telephony with separate frequency modulated signal to control the level of demodulated speech signal, single-sideband, reduced carrier (Lincompex) (single channel); bandwidth 2.99 kHz
2K89 R7BCW	amplitude modulation; signal with quantized or digital information; telegraphy, multi-channel with voice-frequency, error-correction, some channels are time-division multiplexed, single-sideband, reduced carrier; bandwidth 2.885 kHz

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(continued from page 440)

TTXx	Teletex delivery (X = TELETEX NUMBER)
URGENT	Urgent transmission and delivery
UTCOD	Use the gentex code
VAL	Validation response
VERED	Please check the transmitter distortion
VERM	Please check the margin
VERS	Please check the speed
VERX ...	Please check subscriber No. ...
W	Word(s)
WEFXU	Waiting reply to our service advice
WRU	Who is there?
XXXXX	Error signal
ZKWA ...	The received signals have ... % bias (start polarity prolonged)
ZKWZ ...	The received signals have ... % bias (stop polarity prolonged)
+?	I have finished my transmission. Do you wish to transmit?

18 Classes of stations and nature of the service

AL	Aeronautical radionavigation land station
AM	Aeronautical radionavigation mobile station
AT	Amateur station
AX	Aeronautical fixed station
BC	Broadcasting station, sound
BT	Broadcasting station, television
C	Continuous operation during hours shown
CA	Cargo ship
CO	Station open to official correspondence exclusively
CP	Station open to public correspondence
CR	Station open to limited public correspondence
CV	Station open exclusively to correspondence of a private agency
DR	Directive antenna provided with a reflector
EA	Space station in the amateur-satellite service
EB	Space station in the broadcasting-satellite service (sound broadcasting)
EC	Space station in the fixed-satellite service
ED	Space telecommand space station
EE	Space station in the standard frequency-satellite service
EF	Space station in the radiodetermination-satellite service
EG	Space station in the maritime mobile-satellite service
EH	Space research space station
EI	Space station in the mobile-satellite service
EJ	Space station in the aeronautical mobile-satellite service
EK	Space tracking space station
EM	Space station in the meteorological-satellite service
EN	Space station in the radionavigation-satellite service
EO	Space station in the aeronautical radionavigation-satellite service
EQ	Space station in the maritime radionavigation-satellite service
ER	Space telemetering space station
ES	Station in the intersatellite service
EU	Space station in the land mobile-satellite service
EV	Space station in the broadcasting-satellite service (television)
EW	Space station in the earth exploration-satellite service
EX	Experimental station
EY	Space station in the time signal-satellite service
FA	Aeronautical station
FB	Base station
FC	Coast station
FD	Aeronautical station of the aeronautical mobile (R) service
FG	Aeronautical station of the aeronautical mobile (OR) service
FL	Land station
FP	Port station
FR	Receiving station only, connected with the general network of telecommunication channels
FS	Land station established solely for the safety of life
FX	Fixed station
GS	Station on board a warship or a military or naval aircraft
H	Schedule operation
H8	8-hour service provided by a ship station of the third category
H16	16-hour service provided by a ship station of the second category
H24	Continuous service throughout the twenty-four hours
HJ	Day service
HN	Night service
HT	Transition period service
HX	Intermittent service throughout the twenty-four hours, or stations having no specific working hours
I	Intermittent operation during the time indicated
LR	Radiolocation land station

MA	Aircraft station
ME	Space station
ML	Land mobile station
MO	Mobile station
MR	Radiolocation mobile station
MS	Ship station
MX	Fixed station used for transmission of meteorological information
ND	Non-directional antenna
NL	Maritime radionavigation land station
NR	Radionavigation mobile station
OD	Oceanographic data station
OE	Oceanographic data interrogation station
OT	Station open exclusively to operational traffic of the service concerned
PA	Passenger ship
PL	Combination of two or more classes of station (limited to collective entries made under the terms of RR2184)
PX	Fixed station used for press transmission
RA	Radio astronomy station
RC	Non-directional radiobeacon
RD	Directional radiobeacon
RG	Radio direction-finding station
RM	Maritime radionavigation mobile station
RN	Radionavigation land station
RT	Revolving radiobeacon
SM	Meteorological aids station
SS	Standard frequency and time signal station
TA	Space operation earth station in the amateur-satellite service
TB	Aeronautical earth station
TC	Earth station in the fixed-satellite service
TD	Space telecommand earth station
TE	Satellite emergency position-indicating radiobeacon (EPIRB) in the mobile-satellite service
TF	Fixed earth station in the radiodetermination-satellite service
TG	Ship earth station
TH	Earth station in the space research service
TI	Coast earth station
TJ	Aircraft earth station
TK	Space tracking earth station
TL	Mobile earth station in the radiodetermination-satellite service
TM	Earth station in the meteorological-satellite service
TN	Fixed earth station in the radionavigation-satellite service
TO	Mobile earth station in the aeronautical radionavigation-satellite service
TP	Receiving earth station
TQ	Mobile earth station in the maritime radionavigation-satellite service
TR	Space telemetering earth station
TS	Television, sound channel
TT	Earth station in the space operation service
TU	Land mobile earth station
TV	Television, vision channel
TW	Earth station in the earth exploration-satellite service
TX	Fixed earth station in the maritime radionavigation-satellite service
TY	Base earth station
TZ	Fixed earth station in the aeronautical radionavigation-satellite service
UA	Mobile earth station
UM	Mobile earth station in the radionavigation-satellite service
VA	Land earth station

19 Terms and definitions

Introduction

Notes 1. If, in the text of a definition below, a term is printed in capitals, this means that the term itself is defined in this Article.

2. Definitions of services and systems without frequency allocations on longwave and shortwave (e.g. most satellite services) are omitted.

RR 2 For the purposes of these Regulations, the following terms shall have the meanings defined below. These terms and definitions do not, however, necessarily apply for other purposes. Definitions identical to those contained in the International Telecommunication Convention (Malaga-Torremolinos, 1973) are marked by an asterisk * .

Section I – General Terms

RR 3 ADMINISTRATION*: Any governmental department or service responsible for discharging the obligations undertaken in the Conventions of the International Telecommunication Union and the Regulations.

RR 4 TELECOMMUNICATION*: Any transmission, EMISSION or reception of signs, signals, writing, images and sounds or intelligence of any nature by wire, RADIO, optical or other electromagnetic systems.

RR 5 RADIO*: A general term applied to the use of RADIO WAVES.

RR 6 RADIO WAVES or HERTZIAN WAVES: Electromagnetic waves of frequencies arbitrarily lower than 3000 GHz, propagated in space without artificial guide.

RR 7 RADIOCOMMUNICATION*: TELECOMMUNICATION by means of RADIO WAVES.

RR 8 TERRESTRIAL RADIOCOMMUNICATION: Any RADIOCOMMUNICATION other than SPACE RADIOCOMMUNICATION or RADIO ASTRONOMY.

RR 9 SPACE RADIOCOMMUNICATION: Any RADIOCOMMUNICATION involving the use of one or more SPACE STATIONS or the use of one or more REFLECTING SATELLITES or other objects in space.

RR 10 RADIODETERMINATION: The determination of the position, velocity and/or other characteristics of an object, or the obtaining of information relating to these parameters, by means of the propagation properties of RADIO WAVES.

RR 11 RADIONAVIGATION: RADIODETERMINATION used for the purposes of navigation, including obstruction warning.

RR 12 RADIOLOCATION: RADIODETERMINATION used for purposes other than those of RADIONAVIGATION.

RR 13 RADIO DIRECTION-FINDING: RADIODETERMINATION using the reception of RADIO WAVES for the purpose of determining the direction of a STATION or object.

RR 14 RADIO ASTRONOMY: Astronomy based on the reception of RADIO WAVES of cosmic origin.

RR 15 COORDINATED UNIVERSAL TIME (UTC): Time scale, based on the second (SI), as defined and recommended by the CCIR (the full definition is contained in CCIR Recommendation 460-2), and maintained by the International Time Bureau (BIPM).

For most practical purposes associated with the Radio Regulations, UTC is equivalent to mean solar time at the prime meridian (0° longitude), formerly expressed in GMT.

RR 16 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) APPLICATIONS (of radio frequency energy): Operation of equipment or appliances designed to generate and use locally radio frequency energy for industrial, scientific, medical, domestic or similar purposes, excluding applications in the field of TELECOMMUNICATIONS.

Section II – Specific terms related to frequency management

RR 17 ALLOCATION (of a frequency band): Entry in the Table of Frequency Allocations of a given frequency band for the purpose of its use by one or more terrestrial or space RADIOCOMMUNICATION SERVICES or the RADIO ASTRONOMY SERVICE under specified conditions. This term shall also be applied to the frequency band concerned.

RR 18 ALLOTMENT (of a radio frequency or radio frequency channel): Entry of a designated frequency channel in an agreed plan, adopted by a competent conference, for use by one or more administrations for a terrestrial or space RADIOCOMMUNICATION SERVICE in one or more identified countries or geographical areas and under specified conditions.

RR 19 ASSIGNMENT (of a radio frequency or radio frequency channel): Authorization given by an administration for a radio STATION to use a radio frequency or radio frequency channel under specified conditions.

Section III – Radio services

RR 20 RADIOCOMMUNICATION SERVICE: A service as defined in this Section involving the transmission, EMISSION and/or reception of RADIO WAVES for specific TELECOMMUNICATION purposes.

In these Regulations, unless otherwise stated, any radiocommunication service relates to TERRESTRIAL RADIOCOMMUNICATION.

RR 21 FIXED SERVICE: A RADIOCOMMUNICATION SERVICE between specified fixed points.

RR 23 AERONAUTICAL FIXED SERVICE: A RADIOCOMMUNICATION SERVICE between specified fixed points provided primarily for the safety of air navigation and for the regular, efficient and economical operation of air transport.

RR 26 MOBILE SERVICE*: A RADIOCOMMUNICATION SERVICE between MOBILE and LAND STATIONS, or between MOBILE STATIONS.

RR 28 LAND MOBILE SERVICE: A MOBILE SERVICE between BASE STATIONS and LAND MOBILE STATIONS, or between LAND MOBILE STATIONS.

RR 30 MARITIME MOBILE SERVICE: A MOBILE SERVICE between COAST STATIONS and SHIP STATIONS, or between SHIP STATIONS, or between associated ON-BOARD COMMUNICATION STATIONS; SURVIVAL CRAFT STATIONS and EMERGENCY POSITION-INDICATING RADIOBEACON STATIONS may also participate in this service.

RR 32 PORT OPERATIONS SERVICE: A MARITIME MOBILE SERVICE in or near a port, between COAST STATIONS and SHIP STATIONS, or between SHIP STATIONS, in which messages are restricted to those relating to the operational handling, the movement and the safety of ships and, in emergency, to the safety of persons.

Messages which are of a PUBLIC CORRESPONDENCE nature shall be exluded from this service.

RR 33 SHIP MOVEMENT SERVICE: A SAFETY SERVICE in the MARITIME MOBILE SERVICE other than a PORT OPERATIONS SERVICE, between COAST STATIONS and SHIP STATIONS, or between SHIP STATIONS, in which messages are restricted to those relating to the movement of ships.

Messages which are of a PUBLIC CORRESPONDENCE nature shall be exluded from this service.

RR 34 AERONAUTICAL MOBILE SERVICE: A MOBILE SERVICE between AERONAUTICAL STATIONS and AIRCRAFT STATIONS, or between AIRCRAFT STATIONS, in which SURVIVAL CRAFT STATIONS may participate; EMERGENCY POSITION-INDICATING RADIOBEACON STATIONS may also participate in this service on designated distress and emergency frequencies.

RR 34A AERONAUTICAL MOBILE ROUTE (R) SERVICE: AN AERONAUTICAL MOBILE SERVICE reserved for communications relating to safety and regularity of flight, primarily along national or international civil air routes.

RR 34B AERONAUTICAL MOBILE OFF-ROUTE (OR) SERVICE: AN AERONAUTICAL MOBILE SERVICE intended for communications, including those relating to flight coordination, primarily outside national or international civil air routes.

RR 36 BROADCASTING SERVICE*: A RADIOCOMMUNICATION SERVICE in which the transmissions are intended for direct reception by the general public. This service may include sound transmissions, TELEVISION transmissions or other types of transmission.

RR 38 RADIODETERMINATION SERVICE: A RADIOCOMMUNICATION SERVICE for the purpose of RADIODETERMINATION.

RR 40 RADIONAVIGATION SERVICE: A RADIODETERMINATION SERVICE for the purpose of RADIONAVIGATION.

RR 42 MARITIME RADIONAVIGATION SERVICE: A RADIONAVIGATION SERVICE intended for the benefit and for the safe operation of ships.

RR 44 AERONAUTICAL RADIONAVIGATION SERVICE: A RADIONAVIGATION SERVICE intended for the benefit and for the safe operation of aircraft.

RR 46 RADIOLOCATION SERVICE: A RADIODETERMINATION SERVICE, for the purpose of RADIOLOCATION.

RR 47 METEOROLOGICAL AIDS SERVICE: A RADIOCOMMUNICATION SERVICE used for meteorological, including hydrological, observations and exploration.

RR 50 STANDARD FREQUENCY AND TIME SIGNAL SERVICE: A RADIOCOMMUNICATION SERVICE for scientific, technical and other purposes, providing the transmission of specified frequencies, time signals, or both, of stated high precision, intended for general reception.

RR 52 SPACE RESEARCH SERVICE: A RADIOCOMMUNICATION SERVICE in which SPACECRAFT or other objects in space are used for scientific or technological research purposes.

RR 53 AMATEUR SERVICE: A RADIOCOMMUNICATION SERVICE for the purpose of self-training, intercommunication and technical investigations carried out by amateurs, that is, by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest.

RR 54 AMATEUR-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE using SPACE STATIONS on earth SATELLITES for the same purposes as those of the AMATEUR SERVICE.

RR 55 RADIO ASTRONOMY SERVICE: A service involving the use of RADIO ASTRONOMY.

RR 56 SAFETY SERVICE*: Any RADIOCOMMUNICATION SERVICE used permanently or temporarily for the safeguarding of human life and property.

RR 57 SPECIAL SERVICE: A RADIOCOMMUNICATION SERVICE, not otherwise defined in this Section, carried on exclusively for specific needs of general utility, and not open to PUBLIC CORRESPONDENCE.

Section IV - Radio stations and systems

RR 58 STATION: One or more transmitters or receivers or a combination of transmitters and receivers, including the accessory equipment, necessary at one location for carrying on a RADIOCOMMUNICATION SERVICE, or the RADIO ASTRONOMY SERVICE.

Each station shall be classified by the service in which it operates permanently or temporarily.

RR 59 TERRESTRIAL STATION: A STATION effecting TERRESTRIAL RADIOCOMMUNICATION.

In these Regulations, unless otherwise stated, any STATION is a terrestrial station.

RR 60 EARTH STATION: A STATION located either on the Earth´s surface or within the major portion of the Earth´s atmosphere and intended for communication:
- with one or more SPACE STATIONS; or
- with one or more STATIONS of the same kind by means of one or more reflecting SATELLITES or other objects in space.

RR 61 SPACE STATION: A STATION located on an object which is beyond, is intended to go beyond, or has been beyond, the major portion of the Earth´s atmosphere.

RR 62 SURVIVAL CRAFT STATION: A MOBILE STATION in the MARITIME MOBILE SERVICE or the AERONAUTICAL MOBILE SERVICE intended solely for survival purposes and located on any lifeboat, life-raft or other survival equipment.

RR 63 FIXED STATION: A STATION in the FIXED SERVICE.

RR 64 AERONAUTICAL FIXED STATION: A STATION in the AERONAUTICAL FIXED SERVICE.

RR 65 MOBILE STATION: A STATION in the MOBILE SERVICE intended to be used while in motion or during halts at unspecified points.

RR 67 LAND STATION: A STATION in the MOBILE SERVICE not intended to be used while in motion.

RR 68 BASE STATION: A LAND STATION in the LAND MOBILE SERVICE.

RR 69 LAND MOBILE STATION: A MOBILE STATION in the LAND MOBILE SERVICE capable of surface movement within the geographical limits of a country or continent.

RR 70 COAST STATION: A LAND STATION in the MARITIME MOBILE SERVICE.

RR 72 SHIP STATION: A MOBILE STATION in the MARITIME MOBILE SERVICE located on board a vessel which is not permanently moored, other than a SURVIVAL CRAFT STATION.

RR 74 ON-BOARD COMMUNICATION STATION: A low-powered MOBILE STATION in the MARITIME MOBILE SERVICE intended for use for internal communications on board a ship, or between a ship and its lifeboats and life-rafts during lifeboat drills or operations, or for communication within a group of vessels being towed or pushed, as well as for line handling and mooring instructions.

RR 75 PORT STATION: A COAST STATION in the PORT OPERATIONS SERVICE.

RR 76 AERONAUTICAL STATION: A LAND STATION in the AERONAUTICAL MOBILE SERVICE.

In certain instances, an aeronautical station may be located, for example, on board ship or on a platform at sea.

RR 78 AIRCRAFT STATION: A MOBILE STATION in the AERONAUTICAL MOBILE SERVICE, other than a SURVIVAL CRAFT STATION, located on board an aircraft.

RR 80 BROADCASTING STATION: A STATION in the BROADCASTING SERVICE.

RR 81 RADIODETERMINATION STATION: A STATION in the RADIODETERMINATION SERVICE.

RR 82 RADIONAVIGATION MOBILE STATION: A STATION in the RADIONAVIGATION SERVICE intended to be used while in motion or during halts at unspecified points.

RR 83 RADIONAVIGATION LAND STATION: A STATION in the RADIONAVIGATION SERVICE not intended to be used while in motion.

RR 84 RADIOLOCATION MOBILE STATION: A STATION in the RADIOLOCATION SERVICE intended to be used while in motion or during halts at unspecified points.

RR 85 RADIOLOCATION LAND STATION: A STATION in the RADIOLOCATION SERVICE not intended to be used while in motion.

RR 86 RADIO DIRECTION-FINDING STATION: A RADIODETERMINATION STATION using RADIO DIRECTION-FINDING.

RR 87 RADIOBEACON STATION: A STATION in the RADIONAVIGATION SERVICE the EMISSIONS of which are intended to enable a MOBILE STATION to determinate its bearing or direction in relation to the radiobeacon station.

RR 88 EMERGENCY POSITION-INDICATING RADIOBEACON STATION: A STATION in the MOBILE SERVICE the EMISSIONS of which are intended to facilitate search and rescue operations.

RR 89 STANDARD FREQUENCY AND TIME SIGNAL STATION: A STATION in the STANDARD FREQUENCY AND TIME SIGNAL SERVICE.

RR 90 AMATEUR STATION: A STATION in the AMATEUR SERVICE.

RR 91 RADIO ASTRONOMY STATION: A STATION in the RADIO ASTRONOMY SERVICE.

RR 92 EXPERIMENTAL STATION: A STATION utilizing RADIO WAVES in experiments with a view to the development of science or technique.

This definition does not include AMATEUR STATIONS.

RR 93 SHIP´S EMERGENCY TRANSMITTER: A ship´s transmitter to be used exclusively on a distress frequency for distress, urgency or safety purposes.

Section V – Operational terms

RR 110 PUBLIC CORRESPONDENCE*: Any TELECOMMUNICATION which the offices and STATIONS must, by reason of their being at the disposal of the public, accept for transmission.

RR 111 TELEGRAPHY (Note by the General Secretariat: This definition is not in alignment with Annex 2 to the Convention. The corresponding definition in that Annex shall prevail to the extent that there are differences between them (see also Resolution 68).): A form of TELECOMMUNICATION which is concerned in any process providing transmission and reproduction at a distance of documentary matter, such as written or printed matter or fixed images, or the reproduction at a distance of any kind of information in such a form. For the purposes of the Radio Regulations, unless otherwise specified therein, telegraphy shall mean a form of TELECOMMUNICATION for the transmission of written matter by the use of a signal code.

RR 112 TELEGRAM*: Written matter intended to be transmitted by TELEGRAPHY for delivery to the addressee. This term also includes RADIOTELEGRAMS unless otherwise specified.

In this definition the term TELEGRAPHY has the same general meaning as defined in the Convention.

RR 113 RADIOTELEGRAM: A TELEGRAM, originating in or intended for a MOBILE STATION or a MOBILE EARTH STATION transmitted on all or part of its route over the RADIOCOMMUNICATION channels of the MOBILE SERVICE or of the MOBILE-SATELLITE SERVICE.

RR 114 RADIOTELEX CALL: A telex call, originating in or intended for a MOBILE STATION or a MOBILE EARTH STATION, transmitted on all or part of its route over the RADIOCOMMUNICATION channels of the MOBILE SERVICE or of the MOBILE-SATELLITE SERVICE.

RR 115 FREQUENCY-SHIFT TELEGRAPHY: TELEGRAPHY by frequency modulation in which the telegraph signal shifts the frequency of the carrier between predetermined values.

RR 116 FACSIMILE: A form of TELEGRAPHY for the transmission of fixed images, with or without half-tones, with a view to their reproduction in a permanent form.

In this definition the term TELEGRAPHY has the same general meaning as defined in the Convention.

RR 117 TELEPHONY (Note by the General Secretariat: This definition is not in alignment with Annex 2 to the Convention. The corresponding definition in that Annex shall prevail to the extent that there are differences between them (see also Resolution 68).): A form of TELECOMMUNICATION set up for the transmission of speech or, in some cases, other sounds.

RR 118 RADIOTELEPHONE CALL: A telephone call, originating in or intended for a MOBILE STATION or a MOBILE EARTH STATION, transmitted on all or part of its route over the RADIOCOMMUNICATION channels of the MOBILE SERVICE or of the MOBILE-SATELLITE SERVICE.

RR 119 SIMPLEX OPERATION: Operating method in which transmission is made possible alternately in each direction of a TELECOMMUNICATION channel, for example, by means of manual control. (In general, DUPLEX OPERATION and SEMI-DUPLEX OPERATION require two frequencies in RADIOCOMMUNICATION; SIMPLEX OPERATION may use either one or two.)

RR 120 DUPLEX OPERATION: Operating method in which transmission is made possible simultaneously in both directions of a TELECOMMUNICATION channel . (In general, DUPLEX OPERATION and SEMI-DUPLEX OPERATION require two frequencies in RADIOCOMMUNICATION; SIMPLEX OPERATION may use either one or two.)

RR 121 SEMI-DUPLEX OPERATION: A method which is SIMPLEX OPERATION at one end of the circuit and DUPLEX OPERATION at the other. (In general, DUPLEX OPERATION and SEMI-DUPLEX OPERATION require two frequencies in RADIOCOMMUNICATION; SIMPLEX OPERATION may use either one or two.)

RR 122 TELEVISION: A form of TELECOMMUNICATION for the transmission of transient images of fixed or moving objects.

RR 125 TELEMETRY: The use of TELECOMMUNICATION for automatically indicating or recording measurements at a distance from the measuring instrument.

RR 126 RADIOTELEMETRY: TELEMETRY by means of RADIO WAVES.

RR 128 TELECOMMAND: The use of TELECOMMUNICATION for the transmission of signals to initiate, modify or terminate functions of equipment at a distance.

Section VI - Characteristics of emissions and radio equipment

RR 131 RADIATION: The outward flow of energy from any source in the form of RADIO WAVES.

RR 132 EMISSION: RADIATION produced, or the production of RADIATION, by a radio transmitting STATION.

For example, the energy radiated by the local oscillator of a radio receiver would not be an emission but a radiation.

RR 133 CLASS OF EMISSION: The set of characteristics of an EMISSION, designated by standard symbols, e. g. type of modulation of the main carrier, modulating signal, type of information to be transmitted, and also, if appropriate, any additional signal characteristics.

RR 134 SINGLE-SIDEBAND EMISSION: An amplitude modulated EMISSION with one sideband only.

RR 135 FULL CARRIER SINGLE-SIDEBAND EMISSION: A SINGLE-SIDEBAND EMISSION without reduction of the carrier.

RR 136 REDUCED CARRIER SINGLE-SIDEBAND EMISSION: A SINGLE-SIDEBAND EMISSION in which the degree of carrier suppression enables the carrier to be reconstituted and to be used for demodulation.

RR 137 SUPPRESSED CARRIER SINGLE-SIDEBAND EMISSION: A SINGLE-SIDEBAND EMISSION in which the carrier is virtually suppressed and not intended to be used for demodulation.

RR 138 OUT-OF-BAND EMISSION (in French: emission hors bande; in Spanish: emisión fuera de banda): EMISSION on a frequency or frequencies immediately outside the NECESSARY BANDWIDTH which results from the modulation process, but excluding SPURIOUS EMISSIONS.

RR 139 SPURIOUS EMISSION (in French: rayonnement non essentiel; in Spanish: emisión no esencial): EMISSION on a frequency or frequencies which are outside the NECESSARY BANDWIDTH and the level of which may be reduced without affecting the corresponding transmission of information. Spurious emissions include harmonic EMISSIONS, parasitic EMISSIONS, intermodulation products and frequency conversion products, but exclude OUT-OF-BAND EMISSIONS.

RR 140 UNWANTED EMISSIONS (in French: rayonnements non désirés; in Spanish: emisiones no deseadas): Consist of SPURIOUS EMISSIONS and OUT-OF-BAND EMISSIONS.

RR 141 ASSIGNED FREQUENCY BAND: The frequency band within which the EMISSION of a STATION is authorized; the width of the band equals the NECESSARY BANDWIDTH plus twice the absolute value of the FREQUENCY TOLERANCE. Where SPACE STATIONS are concerned, the assigned frequency band includes twice the maximum Doppler shift that may occur in relation to any point of the Earth's surface.

RR 142 ASSIGNED FREQUENCY: The centre of the frequency band assigned to a STATION.

RR 143 CHARACTERISTIC FREQUENCY: A frequency which can be easily identified and measured in a given EMISSION.

A carrier frequency may, for example, be designated as the characteristic frequency.

RR 144 REFERENCE FREQUENCY: A frequency having a fixed and specified position with respect to the ASSIGNED FREQUENCY. The displacement of this frequency with respect to the ASSIGNED FREQUENCY has the same absolute value and sign that the displacement of the CHARACTERISTIC FREQUENCY has with respect to the centre of the frequency band occupied by the EMISSION.

RR 145 FREQUENCY TOLERANCE: The maximum permissible departure by the centre frequency of the frequency band occupied by an EMISSION from the ASSIGNED FREQUENCY or, by the CHARACTERISTIC FREQUENCY of an EMISSION from the REFERENCE FREQUENCY.

The frequency tolerance is expressed in parts in 10^6 or in hertz.

RR 146 NECESSARY BANDWIDTH: For a given CLASS OF EMISSION, the width of the frequency band which is just sufficient to ensure the transmission of information at the rate and with the quality required under specified conditions.

RR 147 OCCUPIED BANDWIDTH: The width of a frequency band such that, below the lower and above the upper frequency limits, the MEAN POWERS emitted are each equal to a specified percentage beta/2 of the total MEAN POWER of a given EMISSION.

Unless otherwise specified by the CCIR for the appropriate CLASS OF EMISSION, the value of beta/2 should be taken as 0.5 % .

RR 148 RIGHT-HAND (clockwise) POLARIZED WAVE: An elliptically- or circularly-polarized wave, in which the electric field vector, observed in any fixed plane, normal to the direction of propagation, whilst looking in the direction of propagation, rotates with time in a right-hand or clockwise direction.

RR 149 LEFT-HAND (anticlockwise) POLARIZED WAVE: An elliptically- or circularly-polarized wave, in which the electric field vector, observed in any fixed plane, normal to the direction of propagation, whilst looking in the direction of propagation, rotates with time in a left-hand or anticlockwise direction.

RR 150 POWER: Whenever the power of a radio transmitter etc. is referred to it shall be expressed in one of the following forms, according to the CLASS OF EMISSION, using the arbitrary symbols indicated:

- PEAK ENVELOPE POWER (PX or pX);
- MEAN POWER (PY or pY);

- CARRIER POWER (PZ or pZ).

For different CLASSES OF EMISSION, the relationships between PEAK ENVELOPE POWER, MEAN POWER and CARRIER POWER, under the conditions of normal operation and of no modulation, are contained in CCIR Recommendations which may be used as a guide.

For use in formulae, the symbol p denotes power expressed in watts and the symbol P denotes power expressed in decibels relative to a reference level.

RR 151 PEAK ENVELOPE POWER (of a radio transmitter): The average power supplied to the antenna transmission line by a transmitter during one radio frequency cycle at the crest of the modulation envelope taken under normal operating conditions.

RR 152 MEAN POWER (of a radio transmitter): The average power supplied to the antenna transmission line by a transmitter during an interval of time sufficiently long compared with the lowest frequency encountered in the modulation taken under normal operating conditions.

RR 153 CARRIER POWER (of a radio transmitter): The average power supplied to the antenna transmission line by a transmitter during one radio frequency cycle taken under the condition of no modulation.

RR 154 GAIN OF AN ANTENNA: The ratio, usually expressed in decibels, of the power required at the input of a loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power flux-density at the same distance. When not specified otherwise, the gain refers to the direction of maximum RADIATION. The gain may be considered for a specified polarization.

Depending on the choice of the reference antenna a distinction is made between:

a) ABSOLUTE OR ISOTROPIC GAIN (G_i), when the reference antenna is an isotropic antenna isolated in space;

b) GAIN RELATIVE TO A HALF-WAVE DIPOLE (G_d), when the reference antenna is a half-wave dipole isolated in space whose equatorial plane contains the given direction;

c) GAIN RELATIVE TO A SHORT VERTICAL ANTENNA (G_v), when the reference antenna is a linear conductor, much shorter than one quarter of the wavelength, normal to the surface of a perfectly conducting plane which contains the given direction.

RR 155 EQUIVALENT ISOTROPICALLY RADIATED POWER (E.I.R.P.): The product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna (ABSOLUTE OR ISOTROPIC GAIN).

RR 156 EFFECTIVE RADIATED POWER (E.R.P.) (in a given direction): The product of the power supplied to the antenna and its GAIN RELATIVE TO A HALF-WAVE DIPOLE in a given direction.

RR 157 EFFECTIVE MONOPOLE RADIATED POWER (E.M.R.P.) (in a given direction): The product of the power supplied to the antenna and its GAIN RELATIVE TO A SHORT VERTICAL ANTENNA in a given direction.

RR 158 TROPOSPHERIC SCATTER: The propagation of RADIO WAVES by scattering as a result of irregularities or discontinuities in the physical properties of the troposphere.

RR 159 IONOSPHERIC SCATTER: The propagation of RADIO WAVES by scattering as a result of irregularities or discontinuities in the physical properties of the ionosphere.

Section VII - Frequency sharing

RR 160 INTERFERENCE: The effect of unwanted energy due to one or a combination of EMISSIONS, RADIATIONS, or inductions upon reception in a RADIOCOMMUNICATION system, manifested by any performance degradation, misinterpretation, or loss of information which could be extracted in the absence of such unwanted energy.

RR 161 PERMISSIBLE INTERFERENCE (this term is used in the coordination of frequency assignments between administrations): Observed or predicted INTERFERENCE which complies with quantitative INTERFERENCE and sharing criteria contained in these Regulations or in CCIR Recommendations or in special agreements as provided for in these Regulations.

RR 162 ACCEPTED INTERFERENCE (this term is used in the coordination of frequency assignments between administrations): INTERFERENCE at a higher level than that defined as PERMISSIBLE INTERFERENCE and which has been agreed upon between two or more administrations without prejudice to other administrations.

RR 163 HARMFUL INTERFERENCE (Note by the General Secretariat: This definition is not in alignment with Annex 2 to the Convention. The corresponding definition in that Annex shall prevail to the extent that there are differences between them (see also Resolution 68).): INTERFERENCE which endangers the functioning of a RADIONAVIGATION SERVICE or of other SAFETY SERVICES or seriously degrades, obstructs, or repeatedly interrupts a RADIOCOMMUNICATION SERVICE operating in accordance with these Regulations.

RR 164 PROTECTION RATIO (R.F.): The minimum value of the wanted-to-unwanted signal ratio, usually expressed in decibels, at the receiver input, determined under specified conditions such that a specified reception quality of the wanted signal is achieved at the receiver output.

Section VIII – Technical terms relating to space

RR 169 DEEP SPACE: Space at distances from the Earth approximately equal to, or greater than, the distance between the Earth and the Moon.

RR 170 SPACECRAFT: A man-made vehicle which is intended to go beyond the major portion of the Earth´s atmosphere.

RR 171 SATELLITE: A body which revolves around another body of preponderant mass and which has a motion primarily and permanently determined by the force of attraction of that other body.

RR 172 ACTIVE SATELLITE: A SATELLITE carrying a STATION intended to transmit or retransmit radiocommunication signals.

RR 173 REFLECTING SATELLITE: A SATELLITE intended to reflect radiocommunication SIGNALS.

RR 174 ACTIVE SENSOR: A measuring instrument in the EARTH EXPLORATION-SATELLITE SERVICE or in the SPACE RESEARCH SERVICE by means of which information is obtained by transmission and reception of RADIO WAVES.

RR 175 PASSIVE SENSOR: A measuring instrument in the EARTH EXPLORATION-SATELLITE SERVICE or in the SPACE RESEARCH SERVICE by means of which information is obtained by reception of RADIO WAVES of natural origin.

RR 176 ORBIT: The path, relative to a specified frame of reference, described by the centre of mass of a SATELLITE or other object in space subjected primarily to natural forces, mainly the force of gravity.

RR 177 INCLINATION OF AN ORBIT (of an earth satellite): The angle determined by the plane containing the ORBIT and the plane of the Earth´s equator.

RR 178 PERIOD (of a satellite): The time elapsing between two consecutive passages of a SATELLITE through a characteristic point on its ORBIT.

RR 179 ALTITUDE OF THE APOGEE or OF THE PERIGEE: The altitude of the apogee or perigee above a specified reference surface serving to represent the surface of the Earth.

RR 180 GEOSYNCHRONOUS SATELLITE: An earth SATELLITE whose period of revolution is equal to the period of rotation of the Earth about its axis.

RR 181 GEOSTATIONARY SATELLITE: A GEOSYNCHRONOUS SATELLITE whose circular and direct ORBIT lies in the plane of the Earth´s equator and which thus remains fixed relative to the Earth; by extension, a SATELLITE which remains approximately fixed relative to the Earth.

RR 182 GEOSTATIONARY-SATELLITE ORBIT: The ORBIT in which a SATELLITE must be placed to be a GEOSTATIONARY SATELLITE.

Nomenclature of the frequency and wavelength bands used in radiocommunication

RR 208 The radio spectrum shall be subdivided into nine frequency bands, which shall be designated by progressive whole numbers in accordance with the following table. As the unit of frequency is the hertz (Hz), frequencies shall be expressed

- in kilohertz (kHz), up to and including 3000 kHz;
- in megahertz (MHz), above 3 MHz, up to and including 3000 MHz;
- in gigahertz (GHz), above 3 GHz, up to and including 3000 GHz.

For bands above 3000 GHz, i. e. centimillimetric waves, micrometric waves and decimicrometric waves, it would be appropriate to use terahertz (THz).

However, where adherence to these provisions would introduce serious difficulties, for example in connection with the notification and registration of frequencies, the lists of frequencies and related matters, reasonable departures may be made.

band number	symbols	frequency range (lower limit exclusive, upper limit inclusive)	corresponding metric subdivision	metric abbreviations for the bands
4	VLF	3 to 30 kHz	myriametric waves	B.Mam
5	LF	30 to 300 kHz	kilometric waves	B.km
6	MF	300 to 3000 kHz	hectometric waves	B.hm
7	HF	3 to 30 MHz	decametric waves	B.dam
8	VHF	30 to 300 MHz	metric waves	B.m
9	UHF	300 to 3000 MHz	decimetric waves	B.dm
10	SHF	3 to 30 GHz	centimetric waves	B.cm
11	EHF	30 to 300 GHz	millimetric waves	B.mm
12		300 to 3000 GHz	decimillimetric waves	

Note 1: "Band number N" (N = band number) extends from 0.3×10^N Hz to 3×10^N Hz.

Note 2: Prefix: k = kilo (10^3), M = mega (10^6), G = giga (10^9), T = tera (10^{12}).

RR 209 In communications between administrations and the ITU, no names, symbols or abbreviations should be used for the various frequency bands other than those specified in RR 208.

Nomenclature of dates and times used in radiocommunication

RR 235 Any date used in relation to radiocommunication shall be according to the Gregorian Calendar.

RR 236 If in a date the month is not indicated either in full or in an abbreviated form, it shall be expressed in an all-numeric form with the fixed sequence of figures, two of each representing the day, month and year.

RR 237 Whenever a date is used in connection with Coordinated Universal Time (UTC), this date shall be that of the prime meridian at the appropriate time, the prime meridian corresponding to zero degrees geographical latitude.

RR 238 Whenever a specified time is used in international radiocommunication activities, UTC shall be applied, unless otherwise indicated, and it shall be presented as a four-digit group (0000-2359). The abbreviation UTC shall be used in all languages.

20 Aeronautical Mobile Service regulations

20.1 Terms and definitions

AP27.1 FREQUENCY ALLOTMENT PLAN: A plan which shows the frequencies to be used in particular areas without specifying the stations to which the frequencies are to be assigned.

AP27.2 The terms to express the different methods of frequency distribution as used in this Appendix have the following meanings:

frequency distribution to	English	French	Spanish
services	allocation (to allocate)	attribution (attribuer)	atribución (atribuir)
areas	allotment (to allot)	allotissement (allotir)	adjudicación (adjudicar)
stations	assignment (to assign)	assignation (assigner)	asignación (asignar)

AP27.3 MAJOR WORLD AIR ROUTE: A long-distance route, made up of one or more segments, essentially international in character, extending through more than one country and requiring long-distance communication facilities.

AP27.4 MAJOR WORLD AIR ROUTE AREA (MWARA): An area embracing a certain number of Major World Air Routes, which generally follow the same traffic pattern and are so related geographically that the same frequency families may logically be applied.

AP27.5 REGIONAL AND DOMESTIC AIR ROUTES: All those routes using the Aeronautical Mobile (R) Service not covered by the definition of a Major World Air Route in AP27.3 .

AP27.6 REGIONAL AND DOMESTIC AIR ROUTES AREA (RDARA): An area embracing a certain number of the air routes defined in AP27.5 .

AP27.7 VOLMET ALLOTMENT AREA: An area encompassing all points where an HF broadcast facility might be required to operate on a family of frequencies common to the area.

AP27.8 VOLMET RECEPTION AREA: An area within which aircraft should be able to receive broadcasts from one or more stations in the associated VOLMET Allotment Area.

AP27.8A WORLD-WIDE ALLOTMENT AREA: An area in which frequencies are allotted to provide long-distance communication between an aeronautical station within that allotment area and aircraft operating anywhere in the world. (The type of communication referred to herein may be regulated by administrations.)

AP27.9 FAMILY OF FREQUENCIES IN THE AERONAUTICAL MOBILE (R) SERVICE: This contains two or more frequencies selected from different aeronautical mobile (R) bands and is intended to permit communication at any time within the authorized area of use (see AP27.189 to AP27.207A) between aircraft stations and appropriate aeronautical stations.

20.2 Channel characteristics and utilization

AP27.10 The frequency separation between carrier (reference) frequencies shall be 3 kHz. This is adequate to permit communications using the classes of emission referred to in AP27.49 - AP27.52 in the frequency bands between 2850 kHz and 22000 kHz allocated exclusively to the aeronautical mobile (R) service. The carrier (reference) frequency of the channels in the Plan shall be an integral multiple of 1 kHz.

AP27.11 For radiotelephone emissions the audio frequencies will be limited to between 300 and 2700 Hz and the occupied bandwidth of other authorized emissions will not exceed the upper limit of J3E emissions. In specifying these limits, however, no restriction in their extension is implied in so far as emissions other than J3E are concerned, provided that the limits of unwanted emissions are met (see AP27.66B and AP27.66C).

AP27.11A Note: For aircraft and aeronautical station transmitter types first installed before 01 February 1983, the audio frequencies will be limited to 3000 Hz.

AP27.11B On account of the possibility of interference, a given channel should not be used in the same allotment area for radiotelephony and data transmissions.

AP27.12 The use of channels derived from the frequencies indicated in AP27.16 for the various classes of emissions other than J3E and H2B will be subject to special arrangements by the administrations concerned and affected in order to avoid harmful interference which may result from the simultaneous use of the same channel for several classes of emission.

AP27.14 To preclude the possibility of interference, adjacent channels in the list of frequencies in AP27.16 have not as a rule been allotted to the same MWARA, RDARA or VOLMET areas. However, to satisfy particular needs, the administrations concerned may conclude special arrangements, for the assignment of adjacent channels derived from the frequencies in the table (AP27.16).

AP27.15 The arrangements contemplated in AP27.12 and AP27.14 should be made under the Articles of the International Telecommunication Convention and the Radio Regulations entitled "Special Arrangements".

20.3 Frequencies allotted

AP27.16 The list of carrier (reference) frequencies allotted in the bands allocated exclusively to the aeronautical mobile (R) service, on the basis of the frequency separation provided for under AP27.10, will be found in chapter 3.3 of this reference book. To calculate the assigned frequency from a carrier (reference) frequency given therein, reference should be made to AP27.72, AP27.72B and AP27.73 .

20.4 Classes of emission

AP27.49 In the aeronautical mobile (R) service the use of emissions such as those listed below is permissible subject to compliance with the special provisions applicable to each case and provided that such use does not cause harmful interference to other users of the channel concerned.

AP27.50 Telephony - amplited modulation:
- double sideband (A3E*)
- single sideband, full carrier (H3E*)
- single sideband, suppressed carrier (J3E)

* A3E and H3E to be used only on 3023 kHz and 5680 kHz as well as in cases covered by Resolution 402, resolves 5. (This prescribes that ... the use of classes of emission H2B, J2B, J2D, J3E and J9X only shall be authorized as of 01 February 1983. Double-sideband operation may, however, be continued for domestic use until 01 February 1987 provided ... that no harmful interference is caused to the international aeronautical mobile (R) service operating in the single-sideband mode. Administrations requiring such an extension of the period of full implementation of single-sideband operation are, nevertheless, urged to cease double-sideband operation as soon as possible.)

AP27.51 Telegraphy (including automatic data transmission)
- amplitude modulation
  - telegraphy without the use of a modulating audio frequency (by on-off keying) (A1A**)
  - telegraphy by the on-off keying of an amplitude modulating audio frequency or audio frequencies or by the on-off keying of the modulated emission and including selective calling, single sideband, full carrier (H2B)
  - multichannel voice frequency telegraphy, single sideband, suppressed carrier (J2B)

- other transmissions such as automatic data transmission, single sideband, suppressed carrier (J2D)

** see under AP27.52

AP27.52 - frequency modulation

- telegraphy by frequency shift keying without the use of a modulating audio frequency, one of two frequencies being emitted at any instant (F1B**)

** A1A and F1B are permitted provided they do not cause harmful interference to the classes of emission H2B, J2B, J3E and J9D. In addition, care should be taken to place these emissions at or near the centre of the channnel. However, a modulating audio frequency is permitted with single sideband transmitters, where the carrier is suppressed.

AP27.72 For single-sideband emissions, except the class of emission H2B, the assigned frequency shall be at a value 1400 Hz above the carrier (reference) frequency.

AP27.72B For classes of emission A1A and F1B the assigned frequency shall be chosen in accordance with the provisions of the footnote to AP27.51 and AP27.52.

AP27.73 The assigned frequency of a station employing double sideband emissions (A3E) shall be at the carrier (reference) frequency.

20.5 Frequency Allotment Plan by areas (AP27.186 to AP27.189)

MWARAs

AFI	2851.0 2878.0 3419.0 3425.0 3467.0 4657.0 5493.0 5652.0 5658.0 6559.0 6574.0 6673.0 8894.0 8903.0 11300.0 11330.0 13273.0 13288.0 13294.0 17961.0
CAR	2887.0 3455.0 5520.0 5550.0 6577.0 6586.0 8846.0 8918.0 11387.0 11396.0 13297.0 17907.0
CEP	2869.0 3413.0 4657.0 5547.0 5574.0 6673.0 8843.0 10057.0 11282.0 13300.0 17904.0
CWP	2998.0 3455.0 4666.0 5652.0 5661.0 6532.0 6562.0 8903.0 10081.0 11384.0 13300.0 17904.0
EA	3016.0 3485.0 3491.0 5655.0 5670.0 6571.0 8897.0 10042.0 11396.0 13297.0 13303.0 13309.0 17907.0
EUR	3479.0 5661.0 6598.0 10084.0 13288.0 17961.0
INO	3476.0 5634.0 8879.0 13306.0 17961.0
MID	2944.0 2992.0 3467.0 3473.0 4669.0 5658.0 5667.0 6625.0 6631.0 8918.0 8951.0 10018.0 11375.0 13288.0 13312.0 17961.0
NAT	2872.0 2899.0 2962.0 2971.0 3016.0 3476.0 4675.0 5598.0 5616.0 5649.0 6622.0 6628.0 8825.0 8831.0 8864.0 8879.0 8891.0 8906.0 11279.0 11309.0 11336.0 13291.0 13306.0 17946.0
NCA	3004.0 3019.0 4678.0 5646.0 5664.0 6592.0 10096.0 13303.0 13315.0 17958.0
NP	2932.0 5628.0 6655.0 6661.0 10048.0 11330.0 13300.0 17904.0
SAM	2944.0 3479.0 4669.0 5526.0 6649.0 8855.0 10024.0 10096.0 11360.0 13297.0 17907.0
SAT	2854.0 2935.0 3452.0 5565.0 6535.0 8861.0 11291.0 13315.0 13357.0 17955
SEA	3470.0 3485.0 5649.0 5655.0 6556.0 8942.0 10066.0 11396.0 13309.0 13318.0 17907.0
SP	3467.0 5559.0 5643.0 8867.0 10084.0 11327.0 13300.0 17904.0

RDARAs

1B	2860.0 2881.0 2890.0 3458.0 3473.0 3488.0 5484.0 5568.0 6550.0 6595.0 10066.0
1C	2977.0 2983.0 3464.0 3470.0 4666.0 5577.0 5595.0 6544.0 8840.0 11366.0
1D	2974.0 2980.0 2989.0 3410.0 3416.0 3446.0 4651.0 5622.0 5628.0 5637.0 6604.0 6610.0 8828.0 10060.0 11384.0
1E	2965.0 3491.0 5583.0 6667.0 10036.0

2	2938.0 2950.0 4696.0 5556.0 6583.0 6601.0 8846.0 8855.0 8888.0 10015.0 10045.0 11297.0 11360.0 11390.0 13321.0 13357.0 17964.0
2A	2851.0 2863.0 2869.0 2875.0 2881.0 2887.0 2896.0 2917.0 2926.0 2932.0 2941.0 3416.0 3422.0 3434.0 3440.0 3455.0 4657.0 4672.0 4690.0 5481.0 5490.0 5496.0 5502.0 5523.0 5547.0 5559.0 5604.0 6526.0 6532.0 6547.0 6553.0 6559.0 6565.0 6574.0 6673.0 8822.0 8876.0 8909.0 8939.0 10048.0 10054.0 11276.0 11285.0 11294.0
2B	2857.0 2869.0 2875.0 2881.0 2887.0 2896.0 2902.0 2908.0 2914.0 2920.0 2929.0 3401.0 3407.0 3416.0 3422.0 3428.0 3449.0 4660.0 4672.0 4681.0 4690.0 4693.0 5490.0 5496.0 5502.0 5508.0 5520.0 5526.0 5550.0 5574.0 5595.0 5607.0 5613.0 5619.0 6526.0 6532.0 6562.0 6568.0 6577.0 6655.0 6661.0 6667.0 8819.0 8834.0 8864.0 10009.0 10024.0 11279.0 11333.0 11339.0
2C	2857.0 2863.0 2866.0 2884.0 2893.0 2902.0 2908.0 2914.0 2920.0 2926.0 2932.0 3401.0 3407.0 3428.0 3434.0 3440.0 3449.0 3455.0 4657.0 4660.0 4681.0 4693.0 5481.0 5487.0 5508.0 5514.0 5520.0 5526.0 5550.0 5562.0 5574.0 5586.0 5604.0 6535.0 6541.0 6547.0 6553.0 6562.0 6568.0 6577.0 6586.0 8819.0 8834.0 8882.0 8939.0 10009.0 10024.0 10054.0 11276.0 11333.0 11372.0
3	2893.0 2935.0 4693.0 5556.0 6583.0 6589.0 8846.0 8954.0 10087.0 11318.0 11336.0 11360.0 13267.0 13321.0 17910.0
3A	2854.0 2860.0 2869.0 2875.0 2881.0 2887.0 2896.0 2905.0 2911.0 2923.0 2959.0 3404.0 3416.0 3422.0 3431.0 3443.0 3452.0 4672.0 4684.0 4690.0 5484.0 5490.0 5496.0 5502.0 5511.0 5517.0 5568.0 5580.0 5601.0 5625.0 6526.0 6532.0 6538.0 6544.0 6550.0 6556.0 6607.0 6613.0 6619.0 6649.0 8837.0 8861.0 8900.0 8942.0 10045.0 10057.0 11309.0 11324.0 11330.0
3B	2851.0 2854.0 2872.0 2878.0 2884.0 2902.0 2908.0 2914.0 2968.0 3401.0 3407.0 3413.0 3419.0 3425.0 3431.0 3437.0 3443.0 4657.0 4681.0 5493.0 5499.0 5505.0 5514.0 5520.0 5526.0 5550.0 5562.0 5580.0 5601.0 6529.0 6538.0 6544.0 6559.0 6568.0 6577.0 6595.0 6625.0 6631.0 8822.0 8852.0 8861.0 8879.0 8957.0 10024.0 10039.0 11285.0 11291.0 11327.0 11372.0
3C	2851.0 2860.0 2866.0 2878.0 2905.0 2950.0 2974.0 2980.0 2986.0 3404.0 3410.0 3419.0 3425.0 3452.0 4684.0 5484.0 5514.0 5562.0 5568.0 5586.0 5637.0 5643.0 6550.0 6556.0 6595.0 6658.0 6664.0 6670.0 8837.0 8852.0 8894.0 8915.0 10039.0 11291.0 11303.0 11324.0 11378.0
4	6565.0 8873.0 13300.0 17904.0
4A	2926.0 2953.0 3437.0 3491.0 4672.0 5547.0 5559.0 6526.0 6532.0 6616.0 8816.0 8837.0 8858.0 10039.0 10081.0 11282.0 11318.0
4B	2866.0 2893.0 3443.0 5481.0 5574.0 5604.0 6553.0 6577.0 6598.0 10063.0 11324.0
5	8870.0 8885.0 10012.0 11312.0 11327.0 13354.0 17949.0 17967.0
5A	2986.0 3452.0 5577.0 5583.0 6544.0 6664.0 8822.0 8915.0 11288.0
5B	2911.0 2968.0 3431.0 3488.0 5511.0 5568.0 5625.0 6550.0 6595.0 8912.0 10093.0
5C	2905.0 3452.0 5583.0 6544.0 8822.0
5D	2899.0 2971.0 3482.0 5526.0 5550.0 6535.0 6547.0 8843.0 10048.0
6	8840.0 11381.0 13291.0 17943.0
6A	2872.0 2923.0 2947.0 3001.0 3479.0 4657.0 4675.0 5484.0 5580.0 5601.0 6607.0 6613.0 6658.0 8891.0 8906.0 8948.0 10006.0 10051.0 10081.0 11321.0 11357.0
6B	2857.0 2920.0 3479.0 3488.0 5502.0 5595.0 5625.0 6607.0 6613.0 6619.0 8864.0 8885.0 10021.0 10093.0 11339.0 11366.0 17955.0
6C	2881.0 2956.0 3473.0 4651.0 5550.0 5580.0 6544.0 6631.0 8834.0 8918.0 10015.0
6D	2866.0 2884.0 3416.0 5490.0 5520.0 5568.0 5574.0 5631.0 6550.0 6568.0 6577.0 6595.0 8882.0 8957.0 11309.0 11372.0
6E	2854.0 2872.0 2917.0 3001.0 3443.0 4657.0 4675.0 5514.0 5526.0 5550.0 6583.0 6655.0 6661.0 8861.0 8906.0 8909.0 10036.0 10051.0 10084.0 11357.0 11363.0
6F	2926.0 2941.0 3434.0 3440.0 5496.0 5508.0 6526.0 6667.0 8864.0 8939.0 10060.0 11279.0 11366.0

6G	2869.0 2875.0 2890.0 2896.0 2899.0 2902.0 2911.0 2917.0 2938.0 2953.0 2962.0 2968.0 2971.0 2977.0 2983.0 2989.0 2995.0 3413.0 3422.0 3431.0 3437.0 3446.0 3449.0 3464.0 3482.0 4651.0 4663.0 4669.0 4672.0 4690.0 4696.0 5481.0 5487.0 5493.0 5499.0 5505.0 5511.0 5517.0 5523.0 5547.0 5553.0 5559.0 5565.0 5571.0 5577.0 5583.0 5592.0 5598.0 5604.0 5610.0 5616.0 5622.0 5628.0 5634.0 5640.0 6529.0 6535.0 6541.0 6547.0 6553.0 6559.0 6565.0 6574.0 6580.0 6586.0 6598.0 6604.0 6610.0 6616.0 6622.0 6628.0 6634.0 6649.0 6652.0 6673.0 6682.0 8816.0 8825.0 8831.0 8843.0 8858.0 8867.0 8870.0 8873.0 8888.0 8912.0 8960.0 10018.0 10054.0 10063.0 11276.0 11282.0 11288.0 11294.0 11300.0 11306.0 11315.0 11369.0 13270.0 13276.0 17913.0
7	5508.0 6586.0 8888.0 11285.0 13354.0
7B	2863.0 2965.0 3455.0 5577.0 5583.0 6652.0 8906.0 10009.0
7C	2950.0 3407.0 5592.0 6568.0 6604.0 8834.0 10081.0 11294.0
7D	2998.0 5481.0 10096.0
7E	2887.0 3485.0 5520.0 6580.0 6628.0 8864.0 11306.0
7F	2956.0 3461.0 5547.0 5568.0 6622.0 8846.0 8960.0
9	4696.0 5583.0 6553.0 8846.0 8852.0 10018.0 11339.0
9B	2860.0 2905.0 2929.0 3401.0 3419.0 3425.0 3476.0 4660.0 5484.0 5508.0 5523.0 5565.0 6538.0 6547.0 6598.0 6622.0 8819.0 8837.0 8861.0 8906.0 10009.0 10024.0 10039.0 11393.0
9C	2851.0 3404.0 3461.0 4675.0 5481.0 6580.0 8873.0 10042.0 11279.0 11312.0
9D	3016.0 3404.0 5592.0 6535.0 8873.0 11312.0
10	4696.0 5454.0 5604.0 6553.0 8819.0 8834.0 10006.0 10012.0 11333.0 11390.0 13285.0 17910.0
10A	2866.0 2875.0 2911.0 2944.0 2956.0 2992.0 3449.0 3470.0 5472.0 5475.0 5484.0 5490.0 5496.0 5565.0 5631.0 6535.0 6580.0 6604.0 8855.0 8876.0 10066.0 11357.0 11363.0 11375.0
10B	2854.0 2860.0 3404.0 3467.0 3488.0 4651.0 4666.0 4681.0 4690.0 4693.0 5460.0 5466.0 5553.0 5568.0 5583.0 6547.0 6574.0 6598.0 8837.0 8903.0 8939.0
10C	2926.0 2965.0 3491.0 4660.0 4669.0 5457.0 5481.0 5487.0 5502.0 5562.0 5595.0 6541.0 6556.0 6568.0 8867.0
10D	2893.0 2935.0 3419.0 3425.0 3458.0 4666.0 4669.0 4678.0 5472.0 5475.0 5484.0 5490.0 5496.0 5586.0 5625.0 6535.0 6544.0 6562.0 8858.0 8900.0
10E	2869.0 2944.0 2992.0 3446.0 3473.0 4651.0 4666.0 4684.0 5460.0 5481.0 5559.0 5577.0 6547.0 6598.0 8843.0 8954.0 11276.0
10F	2950.0 4663.0 5451.0 5526.0 6673.0 8945.0 10042.0
11B	2851.0 2878.0 3004.0 3019.0 3410.0 3428.0 3434.0 3443.0 4672.0 5451.0 5463.0 5469.0 5508.0 5514.0 5523.0 5571.0 6538.0 6550.0 6559.0 6565.0 8822.0 8885.0 8912.0 10045.0 10093.0 11288.0 11306.0 13312.0 17964.0
12	3440.0 5568.0 10054.0 17901.0
12A	2950.0 5604.0
12C	2920.0 2980.0 3401.0 3464.0 4693.0 5460.0 5484.0 5490.0 5496.0 5502.0 5589.0 5613.0 6535.0 6571.0 6592.0 6622.0 6628.0 8816.0 8948.0 8957.0 10021.0 10039.0 11324.0
12D	3407.0 5562.0 6673.0 8876.0 10015.0
12E	2860.0 2956.0 2998.0 3461.0 3488.0 4681.0 5454.0 5475.0 5481.0 5487.0 5583.0 5595.0 5604.0 6547.0 6553.0 6598.0 8852.0 8873.0 10063.0 10090.0 11381.0 11393.0
12F	2893.0 2956.0 2965.0 2998.0 3461.0 3488.0 5451.0 5475.0 5508.0 5556.0 5583.0 5604.0 6532.0 6553.0 8873.0 8894.0 10090.0 11297.0
12G	2875.0 2956.0 2998.0 3461.0 3488.0 5484.0 5523.0 5559.0 5646.0 6526.0 6616.0
12H	2956.0 2998.0 3461.0 3488.0 5451.0 5583.0
12J	2860.0 2902.0 2926.0 2965.0 3419.0 5481.0 5496.0 5619.0 6535.0 6547.0 8954.0 11381.0 11384.0
13	13318.0 17913.0
13A	10048.0 17967.0
13B	10048.0 17967.0

13C	2863.0 2869.0 2992.0 3413.0 3458.0 3473.0 5490.0 5514.0 5553.0 5571.0 5577.0 6541.0 6556.0 6562.0 6568.0 6580.0 8819.0 8834.0 8843.0 8939.0 10042.0 11327.0 11375.0 13309.0
13D	2914.0 2983.0 3425.0 3467.0 4660.0 5460.0 5562.0 6622.0 6628.0 6673.0 8867.0 8912.0 8957.0 10084.0 11318.0
13E	2851.0 3491.0 4651.0 4663.0 5481.0 5583.0 5604.0 6553.0 6577.0 8858.0 11303.0 17967.0
13F	2851.0 2956.0 2998.0 3446.0 3476.0 4651.0 4663.0 5454.0 5481.0 5583.0 5604.0 6547.0 6553.0 8831.0 8858.0 8864.0 10081.0 11321.0 11330.0 17967.0
13G	2872.0 2971.0 3016.0 3434.0 3470.0 4675.0 5469.0 5475.0 5574.0 6586.0 6613.0 8822.0 8885.0 8900.0 10006.0 10021.0 10036.0 11369.0
13H	2899.0 2965.0 3455.0 3485.0 4657.0 5463.0 5472.0 5484.0 5547.0 6598.0 8825.0 8906.0 10036.0 10045.0 11282.0 11300.0 13267.0
13I	2860.0 2878.0 2887.0 3419.0 4678.0 4693.0 5451.0 5466.0 5496.0 5523.0 6574.0 8873.0 10051.0
13J	2857.0 2863.0 2878.0 2890.0 2920.0 3410.0 3428.0 3458.0 4684.0 4696.0 5451.0 5454.0 5559.0 5568.0 5577.0 6550.0 6559.0 6580.0 8816.0 8843.0 10012.0 10018.0 10042.0 11276.0
13K	2863.0 2932.0 3004.0 3019.0 3401.0 3458.0 3464.0 4663.0 4672.0 5463.0 5481.0 5547.0 5577.0 5604.0 6547.0 6553.0 6580.0 8843.0 8849.0 8945.0 10009.0 10018.0 10042.0 10060.0 11339.0 11366.0 13309.0
13M	2908.0 2977.0 3437.0 3449.0 4660.0 4690.0 5463.0 5502.0 6574.0 6628.0 8837.0 8867.0 8903.0 10066.0 11378.0
13N	2986.0 3443.0 5457.0 5508.0 6604.0 8828.0 10093.0
14	2851.0 2878.0 3446.0 3461.0 3479.0 5526.0 5604.0 6580.0 6628.0 8822.0 8855.0 8870.0 10045.0 10087.0 11360.0 13264.0 17946.0
14A	2950.0 3413.0 4678.0 6547.0 6553.0 8816.0 8894.0
14B	3488.0 4684.0 6535.0 6604.0 6673.0 8900.0 8954.0
14C	2887.0 3452.0 4684.0 6541.0 6586.0 8885.0 8912.0
14D	2950.0 3407.0 4693.0 5481.0 6559.0 6574.0 8843.0 8858.0
14E	3413.0 6565.0 6616.0 8891.0 8945.0
14F	3488.0 6526.0 6610.0 8825.0 8831.0
14G	2869.0 2944.0 4678.0 5481.0 5550.0 5580.0 8876.0 8957.0

VOLMET areas

VAFI	2860.0 3404.0 5499.0 6538.0 8852.0 10057.0 13261.0
VCAR	2950.0 5580.0 11315.0
VEUR	2998.0 3413.0 5505.0 6580.0 8957.0 11378.0 13264.0
VMID	2956.0 5589.0 8945.0 11393.0
VNAT	2905.0 3485.0 5592.0 6604.0 8870.0 10051.0 13270.0 13276.0
VNCA	3461.0 4663.0 5676.0 10090.0 13279.0
VPAC	2863.0 6679.0 8828.0 13282.0
VSAM	2881.0 5601.0 10087.0 13279.0
VSEA	2965.0 3458.0 5673.0 6676.0 8849.0 11387.0 13285.0

World-wide allotment areas

W I	3010.0 4654.0 4687.0 5529.0 5532.0 5535.0 5541.0 6637.0 6643.0 8921.0 8924.0 8930.0 8936.0 10027.0 10030.0 10069.0 10072.0 10078.0 11345.0 11351.0 13324.0 13327.0 13333.0 13336.0 13342.0 13345.0 13351.0 17916.0 17922.0 17931.0 21940.0 21946.0 21952.0 21958.0 21967.0 21973.0 21979.0 21988.0 21997.0
W II	3007.0 3013.0 3494.0 3497.0 4654.0 4687.0 5529.0 5538.0 5544.0 6637.0 6640.0 6646.0 8927.0 8933.0 8936.0 10027.0 10033.0 10075.0 11342.0 11348.0 11354.0 13330.0 13339.0 11354.0 13330.0 13339.0 13348.0 17919.0 17925.0 17934.0 17940.0 21964.0 21985.0
W III	3007.0 4687.0 6637.0 8921.0 8930.0 10072.0 10078.0 11342.0 11351.0 13324.0 13333.0 13342.0 13351.0 17916.0 17922.0 17928.0 17934.0 17940.0 21949.0 21970.0
W IV	3010.0 5535.0 5541.0 6643.0 8924.0 10030.0 10069.0 11345.0 13327.0 13336.0 13345.0 17919.0 17928.0 17937.0 21955.0 21976.0 21991.0

W V	3013.0 5532.0 5538.0 5544.0 6640.0 6646.0 8927.0 8933.0 10033.0 10075.0 11348.0 11354.0 13330.0 13339.0 13348.0 17925.0 17931.0 17937.0 21943.0 21961.0 21982.0 21994.0

20.6 Frequencies for common use

AP27.208 The carrier (reference) frequencies 3023 kHz and 5680 kHz are intended for common use on a world-wide basis.

AP27.209 The use of these frequencies in any part of the world is authorized:

- aboard aircraft for
  - a) communications with approach and aerodrome control;
  - b) communication with an aeronautical station when other frequencies of the station are either unavailable or unknown;
- at aeronautical stations for aerodrome and approach control under the following conditions:
  - a) with mean power limited to a value of not more than 20 watts in the antenna circuit;
  - b) special attention must be given in each case to the type of antenna used in order to avoid harmful interference;
  - c) the power of aeronautical stations which use these frequencies in accordance with the above conditions may be increased to the extent necessary to meet certain operational requirements subject to coordination between the administrations directly concerned and those whose services may be adversely affected.

AP27.210 Notwithstanding these provisions, the frequency 5680 kHz may also be used at aeronautical stations for communication with aircraft stations when other frequencies of the aeronautical stations are either unavailable or unknown. However, this use shall be restricted to such areas and conditions that harmful interference cannot be caused to other authorized operations of stations in the aeronautical mobile service.

AP27.211 Additional particulars regarding the use of these channels for the above purposes may be recommended by the meetings of ICAO.

AP27.212 Frequencies 3023 kHz and 5680 kHz may also be used by stations of other mobile services participating in coordinated air-surface search and rescue operations, including communications between these stations and participating land stations. Aeronautical stations are authorized to use these frequencies to establish communications with such stations.

AP27.213 These channels may be used for A1A or A3E emissions, in accordance with special arrangements. Such channels shall not be subdivided.

AP27.214 All stations participating directly in coordinated search and rescue operations and using frequencies 3023 kHz and 5680 kHz shall transmit solely on the upper sideband except in the cases provided for in AP27.50 .

21 Maritime Mobile Service regulations

21.1 Bands up to 4 MHz

In Region 1, frequencies assigned to maritime stations operating in the bands between 1606.5 kHz and 3800.0 kHz should, whenever possible, be in accordance with the following Table of Recommended Assignable Frequencies:

1606.5 - 1625.0*	coast stations, NBDPT, DSC; channels spaced 0.5 kHz and frequencies paired with those marked * below
1635.0 - 1800.0**	coast stations, SSB; channels spaced 3.0 kHz and frequencies paired with those marked ** below; first channel = 1635.0
1850.0 - 1950.0	coast stations, SSB; channels spaced 3.0 kHz; first channel = 1851.0
1950.0 - 2045.0	ship stations, SSB; channels spaced 3.0 kHz; first channel = 1951.0
2045.0 - 2141.5**	ship stations, SSB; channels spaced 3.0 kHz and frequencies paired with those marked ** above; first channel = 2045.0
2141.5 - 2160.0*	ship stations, NBDPT, DSC; channels spaced 0.5 kHz and frequencies paired with those marked * above
2194.0 - 2262.5	ship stations, SSB; channels spaced 3.0 kHz; first channel = 2195.0
2262.5 - 2498.0	intership, SSB; channels spaced 3.0 kHz; first channel = 2263.0
2502.0 - 2578.0	ship stations, NBDPT; channels spaced 0.5 kHz; first channel = 2502.5 kHz
2578.0 - 2850.0	coast stations, NBDPT, SSB; channels spaced 3.0 kHz; first channel = 2579.0 - or: channels spaced 0.5 kHz; first channel = 2578.5
3155.0 - 3200.0	ship stations, NBDPT; channels spaced 0.5 kHz; first channel = 3155.5
3200.0 - 3340.0	ship stations, SSB; channels spaced 3.0 kHz; first channel = 3201.0
3340.0 - 3400.0	intership, SSB; channels spaced 3.0 kHz; first channel = 3340.0
3500.0 - 3600.0	intership, SSB; channels spaced 3.0 kHz; first channel = 3500.0
3600.0 - 3800.0	coast stations, SSB; channels spaced 3.0 kHz; first channel = 3601.0

21.2 25 MHz band

25010.0 - 25070.0	coast stations
25070.0 - 25076.0	ship stations; calling frequencies; A1A or A1B Morse telegraphy; channels spaced 2.0 kHz; first channel = 25071.0
25076.0 - 25090.1	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies non-paired; first channel = 25076.3
25090.1 - 25110.0	ship stations; working frequencies; A1A or A1B Morse telegraphy; channels spaced 0.5 kHz; first channel = 25091.5
25110.0 - 25600.0	coast stations
26100.0 - 27500.0	coast stations

21.3 Bands between 4 and 22 MHz

limits	4063.0	6200.0	8195.0	12330.0	16460.0	22000.0
first channel*	4064.4 (401)	6201.4 (601)	8196.4 (801)	12331.4 (1201)	16461.4 (1601)	22001.4 (2201)
assignment	ship stations; duplex telephony; channels spaced 3.1 kHz and frequencies paired with those marked * below; (number of first channel in brackets)					
limits	4143.6	6218.6	8291.1	12429.2	16587.1	22124.0
first channel	4145.0	6220.0	8292.5	12430.6	16588.5	22125.4
assignment	ship and coast stations; simplex telephony; channels spaced 3.1 kHz (but 3.0 kHz on 6 MHz)					
limits	4146.6	6224.6	8297.3	12439.5	16596.4	22139.5
first channel	–	–	8297.6	–	–	–
assignment	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies non-paired					
limits	4146.6	6224.6	8300.0	12439.5	16596.4	22139.5
first channel	4148.6	6226.6	8302.0	12441.5	16598.4	22142.0
assignment	ship stations; wide-band telegraphy, facsimile and special transmission systems; channels spaced 4 kHz					
limits	4162.5	6244.5	8328.0	12479.5	16636.5	22160.5
first channel	4162.9	6244.9	8328.4	12479.9	16636.9	22160.9
assignment	ship stations; oceanographic data transmission; channels spaced 0.3 kHz					
limits	4166.0	6248.0	8331.5	12483.0	16640.0	22164.0
first channel	4168.0	6250.0	8333.5	12485.0	16642.0	22166.0
assignment	ship stations; wide-band telegraphy, facsimile and special transmission systems; channels spaced 4 kHz					
limits	4170.0	6256.0	8343.5	12491.0	16660.0	22192.0
first channel**	4170.5	6256.5	8344.0	12491.5	16660.5	22192.5
assignment	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies paired with those marked ** below					
limits	4177.25	6267.75	8357.25	12519.75	16694.75	22225.75
first channel	4177.5	6268.0	8357.5	12520.0	16695.0	22226.0
assignment	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies non-paired					
limits	4179.75	6269.75	8357.75	12526.75	16705.8	22227.0
first channel	–	–	8358.5	12528.0	16707.0	–
assignment	ship stations; working frequencies; A1A or A1B Morse telegraphy; channels spaced 0.5 kHz					

limits	4179.75	6269.75	8359.75	12539.6	16719.8	22227.0
first channel	4180.0	6270.0	8360.0	12540.0	16720.0	22227.0
assignment	ship stations; calling frequencies; A1A or A1B Morse telegraphy; channel spacing: 4 MHz = 0.4 kHz; 6 MHz = 0.6 kHz; 8 MHz = 0.8 kHz; 12 MHz = 1.2 kHz; 16 MHz = 1.6 kHz; 22 MHz = 2.0 kHz; first channel and spacing not specified					
limits	4187.2	6280.8	8374.4	12561.6	16748.8	22247.0
first channel	4187.5	6281.5	8375.0	12562.0	16750.0	22248.0
assignment	ship stations; digital selective calling; channels spaced 0.5 kHz					
limits	4188.25	6282.25	8376.0	12564.0	16752.0	22250.0
first channel	4188.5	6282.75	8377.0	12565.5	16754.0	22250.5
assignment	ship stations; working frequencies; A1A or A1B Morse telegraphy; channels spaced 0.5 kHz (but 0.75 kHz on 6 MHz)					
limits	4219.4	6325.4	8435.4	12652.3	16859.4	22310.5
assignment	coast stations; wide-band and A1A or A1B Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems; first channel and spacing not specified					
limits	4349.4	6493.9	8704.4	13070.8	17196.9	22561.0
first channel**	4350.0	6494.5	8705.0	13071.5	17197.5	22561.5
assignment	coast stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies paired with those marked ** above					
limits	4356.75	6505.75	8718.25	13099.75	17231.75	22594.75
first channel	4357.0	6506.0	8718.5	13100.0	17232.0	22595.0
assignment	coast stations; digital selective calling; channels spaced 0.5 kHz					
limits	4357.4	6506.4	8718.9	13100.8	17232.9	22596.0
first channel*	4358.8 (401)	6507.8 (601)	8720.3 (801)	13102.2 (1201)	17234.3 (1601)	22597.4 (2201)
assignment	coast stations; duplex telephony; channels spaced 3.1 kHz and frequencies paired with those marked * above; (number of first channel in brackets)					
limits	4438.0	6525.0	8815.0	13200.0	17360.0	22720.0

22 Standard telegram format regulations

22.1 Introduction

Radiotelegraphy is still used for many fixed circuits. The telegrams are transmitted in a standard telecommunication format.

Telegram examples given in this chapter are only intended to illustrate the correct formatting of telegrams. The texts are fictious. Groups such as NATO routing indicators, channel indicators, destination and origin indicators do not necessarily reflect current usage or routing arrangements in the telegraph offices concerned.

For service codes and abbreviations see chapter 23. For the message formats used in aeronautical and meteorological communication see our AIR AND METEO CODE MANUAL.

22.2 Message format

A telegram comprises
- the heading, which shall include the information needed for identification and, if necessary, for the routing of the telegram;
- the address (including the service indication, if any);
- the text (including the signature, if any);
- the routine repetition (if required);
- the end-of-message signals.

First part: HEADING

The heading of a telegram consists of

- the numbering line, containing
  - the start signal ZCZC ;
  - the channel sequence number(s) consisting of the 3-letter channel indicator and the 3-figure message number on the channel;
  - the telegram identification group (consisting of up to 15 characters);

- the pilot line (where it is required), containing
  - the four-letter destination indicator (see paragraph 3);
  - the two-letter priority and tariff indicator (see paragraph 4);
  - the four-letter origin indicator (see paragraph 3);
  - the 3-figure number of chargeable words (taken from the preamble line);
  - the customer identification group (if any) (any combination of letters and/or figures, for accounting purposes);

- the preamble line, containing
  - the name of the office of origin as it appears in the first column of the List of Telegraph Offices;
  - the number of words. When the number of chargeable words is the same as the number of actual words, it shall be shown as a single number. When the number of chargeable words is different from the number of actual words, both shall be shown, separated by a fraction bar with the number of chargeable words first;
  - the date (2-figure group) and time (4-figure group) of handing in of the telegram;
  - the service instructions (if any).

Second part: ADDRESS

The address of a telegram consists of
- the service indications, if any;
- the address.

Third part: TEXT

The text of a telegram must be continuous and written in characters that have an equivalent in the standard teleprinter alphabet ITA2 (see chapter 5 in our RADIOTELETYPE CODE MANUAL). A signature shall not be compulsory.

Fourth part: ROUTINE REPETITION

Routine repetition means the repetition in whole or in part of a telegram by the office responsible for its transmission. Any such repetition shall be preceded by the abbreviation COL .

For all telegrams, routine repetition shall be compulsory for isolated figures and mixed groups containing figures in the address or text parts.

In telegrams of more than 50 words, routine repetition shall be given at the end of every page.

Fifth part: END-OF-MESSAGE SIGNALS

Ending signal NNNN

22.3 Destination indicators

A destination indicator must be assigned to each office directly concerned with the telegram retransmission system. Offices handling a large amount of international traffic should also be assigned a destination indicator. In each country at least one destination indicator (an "all others" indicator) must be chosen for offices not assigned their own destination indicator.

Each destination indicator consists of four letters. The first two letters characterize, in a uniform way, a particular destination country or a particular network in the destination country. The third and fourth letters characterize the office of destination in that country or network.

Particular combinations:

..MV	The combinations MV , SV , XQ and YQ as the third and fourth letters of indicators should preferably be reserved for the segregation of particular types of telegram at gateway cities or at major international telegraph offices
..SV	(see ..MV)
..XQ	(see ..MV)
..XX	Where there is only one indicator for all offices in a country, the last two letters should be XX
..YQ	(see ..MV)
...X	The last letter of an "all others" indicator will always be X
..ZZ	Destination indicators having ZZ as the third and fourth letters should be strictly reserved for automatic service advices, which are designed to trigger an automatic action at a connected telegram retransmission centre
XQXQ	The destination indicator XQXQ is reserved for use in emergency broadcast messages concerning a total system failure

A...	Austria
AA..	Australia
AB..	Albania
AD..	Yemen (People´s Dem. Rep. of)
ADAN	Aden
AF..	Afghanistan
AFKL	Kabul
AK..	Antigua and Barbuda
AN..	Angola
AR..	Argentina
AV..	Ascension
B...	Belgium
BA..	Bermuda
BC..	Benin
BD..	Botswana
BEAN	Antwerpen
BEB.	Brussels
BG..	Bulgaria
BI..	Guinea-Bissau
BJ..	Bangla Desh
BJCG	Chittagong
BJD.	Dhaka
BM..	Burma
BN..	Bahrain
BP..	Bophuthatswana
BR..	Brazil
BS..	Bahamas
BU..	Brunei
BV..	Bolivia (ENTEL)
BZ..	Belize
C...	Czechoslovakia
CA..	Canada (except TWX)
CB..	Chile (ENTEL)
CE..	Sri Lanka
CH..	Switzerland
CI..	Ivory Coast
CK..	Chile (TC)
CL..	Chile (Telex Chile)
CN..	China
CNDR	Dairen
CNKC	Kwangchow
CNQD	Qingdao

CNSH	Shanghai
CNTT	Tientsin
CO..	Colombia
CP..	Cayman Islands
CR..	Costa Rica
CSP.	Prague
CT..	Chile (TEXCOM)
CU..	Cuba
CUHN	Habana
CV..	Cape Verde
CX..	Ciskei
CY..	Cyprus
CYNC	Nicosia
CZ..	Chile (ITTCHL)
D...	Germany (Federal Republic of)
DD..	German Democratic Republic
DG..	Diego Garcia
DH..	Qatar
DI..	Dominican Republic (AACR)
DJ..	Jibuti
DK..	Denmark
DKCN	Copenhagen
DO..	Dominica
DR..	Dominican Republic (RCA)
DZ..	Algeria
E...	Spain
ED..	Ecuador
EG..	Equatorial Guinea
EI..	Ireland
EM..	United Arab Emirates (EMIRTEL)
ESBA	Barcelona
ESBL	Bilbao
ET..	Ethiopia
ETAD	Addis Ababa
F...	France
FA..	Faroe Islands
FG..	Guiana (French)
FJ..	Fiji
FK..	Falkland Is. (Malvinas) and Dps.
FL..	Liechtenstein
FP..	Polynesia (French)
FRP.	Paris
G...	United Kingdom
GA..	Grenada
GBBD	Bradford
GBBM	Birmingham
GBGW	Glasgow
GBL.	London
GBMR	Manchester
GBPS	Portishead Radio
GD..	Greenland
GE..	Guinea
GECY	Conakry
GH..	Ghana
GK..	Gibraltar
GL..	Guadeloupe
GM..	Guam (RCA)
GO..	Gabon
GR..	Greece
GRAS	Athens
GU..	Guatemala
GV..	Gambia
GY..	Guyana
H...	Hungary
HI..	Haiti
HL..	Saint Helena
HM..	Hawaii (AACR)
HO..	Honduras
HQ..	Solomon Islands
HR..	Hawaii (RCA)
HUBU	Budapest
HW..	Hawaii (WUI)
HX..	Hong Kong
I...	Italy
IA..	Indonesia
IK..	Iraq
IKB.	Baghdad
IL..	Israel
ILHA	Haifa
ILJM	Jerusalem
ILT.	Tel Aviv
IN..	India
INB.	Bombay
INCA	Calcutta
INMS	Madras
INND	Delhi
IR..	Iran
IRTN	Tehran
IS..	Iceland
ITBG	Bergamo
ITBI	Biella
ITBS	Brescia
ITMI	Milano
ITNA	Napoli
ITPS	Pesaro
ITR.	Rome
IW..	Mauritius
J...	Japan
JA..	Jamaica
JO..	Jordan
JPO.	Osaka
JPT.	Tokyo
K...	Korea (Republic of)
KA..	Kampuchea
KC..	Saint Christopher and Nevis
KD..	Chad
KE..	Kenya
KG..	Congo
KI..	Kiribati
KN..	Cameroon
KO..	Comoros
KP..	Korea (Dem. People´s Rep. of)
KT..	Kuwait
LA..	Anguilla
LC..	Saint Lucia
LE..	Lebanon
LEBH	Beirut
LELE	Beirut
LETR	Tripoli
LI..	Liberia
LO..	Lesotho
LS..	Laos
LU..	Luxembourg
LY..	Libya

LYBE	Benghazi
M...	Morocco
MA..	Malaysia
MC..	Monaco
ME..	Mexico
MF..	Maldives
MG..	Madagascar
MH..	Mongolia
MI..	Malawi
MJ..	Mali
MK..	Montserrat
MN..	Mariana Islands
MO..	Mozambique
MQ..	Mauritania
MR..	Martinique
MS..	Marshall Islands
MT..	Malta (GTC)
MW..	Malta (TELEMALTA)
N...	Norway
NA..	Netherlands Antilles
NE..	Papua New Guinea
NF..	Niue Island
NG..	Nigeria
NGJS	Jos
NGKD	Kaduna
NGKN	Kano
NGL.	Lagos
NGMG	Maiduguri
NGZA	Zaria
NH..	Vanuatu
NI..	Niger
NINY	Niamey
NL..	Netherlands
NLAM	Amsterdam
NLRM	Rotterdam
NM..	New Caledonia
NOOO	Oslo
NP..	Nepal
NU..	Nicaragua
NV..	Norfolk Island
NZ..	New Zealand
OM..	Macao
OMMA	Macao
ON..	Oman
P...	Portugal
PA..	Panama (TRT)
PB..	Puerto Rico (TRT)
PCOO	Porto
PD..	Puerto Rico (AACR)
PE..	Peru
PG..	Panama (INTEL)
PH..	Philippines (PHILCOM)
PK..	Pakistan
PKKR	Karachi
PKPR	Peshawar
PL..	Poland
PLGD	Gdynia
PLLO	Lodz
PLWA	Warsaw
PM..	Philippines (ITT Globe-Mackay Cable and Radio Corporation)
PN..	Philippines (ETPI)
PP..	Puerto Rico (WUI CARIB)
PS..	Philippines (CAPWIRE)
PT..	Puerto Rico (RCAC)
PU..	Philippines (Philippine Telegraph and Telephone Corporation)
PY..	Paraguay
QN..	Saint Pierre and Miquelon
R...	Romania
RC..	Central African Republic
RE..	Reunion
RG..	Cook Islands
RMBU	Bucharest
RS..	Singapore
RSSE	Singapore
RW..	Rwanda
RWKI	Kigali
S...	Sweden
SA..	South Africa (Republic of)
SB..	Samoa (American)
SD..	Sudan
SDK.	Khartoum
SDPS	Port Sudan
SE..	Sierra Leone
SF..	Finland
SFHE	Helsinki
SG..	Senegal
SGD.	Dakar
SJ..	Saudi Arabia
SM..	Somalia
SN..	Suriname
SO..	San Marino
SR..	El Salvador
ST..	Sao Tome and Principe
SU..	Union of Soviet Soc. Republics
SUKV	Kiyev
SUM.	Moscow
SUOO	Odessa
SUTB	Tbilisi
SX..	Samoa (Western)
SY..	Syria
SYAL	Aleppo
SYD.	Damascus
SYLA	Lattakia
SZ..	Seychelles
TA..	Tanzania
TH..	Thailand
THBK	Bangkok
TL..	Tokelau Islands
TN..	Tunisia
TO..	Togo
TQ..	Turks and Caicos Islands
TR..	Turkey
TRIS	Istanbul
TS..	Tonga
TT..	Transkei
TV..	Tuvalu
UA..	Alaska (RCA)
UB..	United States of America (Graphnet Corporation)
UD..	United States of America (Western Union Telegraph Company)

UF..	United States of America (FTCC Telecommunications)
UG..	Uganda
UI..	United States of America (ITT)
UINY	New York
UN..	Egypt
UNAA	Alexandria
UNC.	Cairo
UQ..	United States of America (TWX)
UR..	United States of America (RCA)
UT..	United States of America (TRT)
UU..	Burundi
UUJU	Usumbura
UV..	Bourkina Faso
UTMI	Miami
UW..	United States of America (WUI)
UY..	Uruguay
VA..	Vatican City State
VAVS	Vatican City
VB..	Virgin Islands (British)
VC..	Venezuela
VM..	Venda
VN..	Virgin Islands (United States) and Saint Croix
VQ..	Saint Vincent and the Grenadines
VT..	Viet Nam
VTHA	Hanoi
WB..	Barbados
WD..	Swaziland
WF..	Wallis and Futuna Islands
WG..	Trinidad and Tobago
WK..	Namibia
X...	INMARSAT
YE..	Yemen Arab Republic
YU..	Yugoslavia
YUB.	Belgrade
YULJ	Ljubljana
YUZB	Zagreb
ZA..	Zambia
ZALU	Lusaka
ZR..	Zaire
ZV..	Nauru
ZW..	Zimbabwe

22.4 Priority and tariff indicators

Each priority and tariff indicator consists of two letters. The first letter characterizes the priority class and the second letter characterizes the tariff class of the telegram.

First letter: priority class

A	SVH telegrams
B	ETATPRIORITE telegrams OBS telegrams ordinary private telegrams with urgent transmission and delivery paid service advices press telegrams with urgent transmission and delivery RCT telegrams with urgent transmission and delivery service advices with urgent transmission and delivery service telegrams with urgent transmission and delivery
C	government telegrams ordinary private telegrams press telegrams RCT telegrams service advices service telegrams telegrams giving confirmation of delivery
H	letter telegrams (including government letter telegrams)

Second letter: tariff class

D	press telegrams with urgent transmission and delivery
J	POSTFIN telegrams
K	government telegrams where preferential rate is to be charged
L	letter telegrams
M	meteorological telegrams
N	non-chargeable telegrams
O	ordinary private telegrams
P	press telegrams
Q	telegrams involving special accounting features
R	RCT telegrams
U	telegrams (other than RCT and press telegrams) with urgent transmission and delivery
V	divided telegrams

X	for use by transit offices when inserting the pilot line on transit telegrams
Y	government full-rate telegrams
Z	government letter-rate telegrams

22.5 Examples on standard telegrams

Ordinary private telegram with service indication

```
zczc aoe262 ldb814 pld606
aasd co gbld 018
london/ld 18/16 22 1430


lx
harris 2462 southernhighway
sydney


congratulations on your promotion and
best wishes for the future
     john


col 2462






nnnn
```

zczc	start signal
aoe262	channel sequence number: message number 262 on channel AOE
ldb814 ...	preceding channel sequence numbers: message number 814 on channel LDB; message number 606 on channel PLD
aasd	destination indicator: Australia, Sydney
c	priority indicator: class C, ordinary private telegram
o	tariff indicator: class O, ordinary private telegram
gbld	origin indicator: United Kingdom, London
018	number of chargeable words: 18
london/ld	name of the office of origin as it appears in the first column of the List of Telegraph Offices: LONDON/LD
18	number of chargeable words: 18
/16	number of actual words: 16
22	date: 22nd day of the month
1430	time: 1430 legal time
lx	service indication: de luxe form
harris	address
congrats... ...	text
col 2462	I give routine repetition: 2462
nnnn	ending signal

Multi-page telegram

```
zczc gwb608 mka296 azt044
gblv hl urny 076
new york 76/72 10 1826 page 1/50


lt
soapbox
liverpool


00503 your telegram modev6 of march 1 for
graduate volunteers grateful for what you propose
stop would only press for third category named if
results of recruitment permitted but for
practical reasons would be glad if they did so
please telegraph prospects for export activity
distribution arrangements


col 00503 modev6 1


azt044 soapbox page 2/22


urgent x can we ship 5000 lbs k685 ex puk on
braemar sailing london march 18 x cable
mackenzies kampala immediately
     smithco


col 5000 k685 18



nnnn
```

Service note for a situation report

```
zczc xq
gxxq bn frxq 000
paris 09 1031


lrls lpa130 pla444
lpb870 plb009
missing lpa040/043









nnnn
```

Service note requesting automatic re-run of one message

```
zczc xq
dpxq bn frxq 000
paris 21 0926


rrun bca165









nnnn
```

22.6 Examples on standard military teletype messages

Like in most telex networks, you cannot deduce the location of the station actually monitored from the heading of the messages (see second example).

For NATO routing indicators see chapter 7.

```
zczc afl040
oo rffa
de rftjf 3111707
znr uuuuu
zic afl03

nnnn
```

zczc	start signal
afl040	channel sequence number: message number 40 on channel AFL (ARQ-E3 channel from FF Port Bouet to MOD Paris on 17550.9 kHz, see chapter 3.3)
oo	priority indicator: operational message
rffa	NATO routing indicator of the destination: MOD Paris, F
de	from
rftjf	NATO routing indicator of the origin: FF Port Bouet, CTI
3111707	date-time group: 1707 UTC on the 311th day of the year
znr uuuuu	secrecy classification: unclassified
zic ...	text
nnnn	ending signal

In this case, not ´RFLID´ has been monitored, but ´RFLI´ relaying a message to ´RFFZZ´ via ´RFFA´ because there is no direct circuit ´RFLID´ - ´RFFZZ´.

```
zczc ali317
pp rffzz
de rflid 0013 3091551
znr uuuuu
p 051550z nov 89 zyb
fm escalair pointe a pitre
to air escadron orleans
d i f f u s i o n   r e s t r e i n t e
mca texte
nmr 3375/etom 058/cdt/tech/dr du 05 nov 89
obj/limite fatigue de la structure transall
ref/msg nmr 101/61eme etom ops du 01 nov 89
txt
pour operation 61eme etom
primo/c160 nmr 54
alpha/hc totales 1008715
bravo/att 10033
charlie/heures depuis gv 110855
delta/heures basses altitude 10900
secundo/c160 nmr 12
alpha/hc totales 1055420
bravo/att 9852
charlie/heures depuis gv 106715
delta/heures basses altitude 10350
bt
0007

nnnn
```

23 Service codes and abbreviations used in gentex and telex operation

A	Service telegrams OR advices
ABS	Telegraph office closed
ADD	Please input your international telex number
ADRS	Address
AMPLIATION	Telegram sent a second time
ANH	Congestion
ANUL ...	Delete ...
BK	I cut off
BL	Holding
BL ... SVP	Please hold ...
BMC	No end of message or end of transmission received, therefore message cancelled
BR TR ...	Bad transmission on ...
CALL NR	National call number of a gentex office
CCT ... IN	I have restored circuit No. ...
CCT ... IN SVP	Please restore circuit No. ...
CCT ... OUT	I have taken circuit No. ... out of service
CCT ... OUT SVP	Please take circuit No. ... out of service
CI	Conversation impossible
CK	Please check number of words
CLA	Class of telegram
COL	Collation: Please give OR I give routine repetition
CONFERENCE	Franking privilege telegrams (ITU)
CRD ...	The connection is released after selection on circuit No. ...
CRV	How do you receive?
CSR	I am receiving your calling signal
CTF	Correction to follow
DBL	Double word(s)
DEB	Overflow position
DER	Out of order
DERA	Machine faulty
DER CCT	Circuit faulty
DER MOM	Bad reception, do not cut off, we are testing the line
DERPS	Position equipment faulty
DERR	Fault now cleared
DER REG	Register does not operate
DER TAPE	Your perforated tape is faulty
DER VF ...	Fault on voice-frequency system ...
DETR ...	I am re-routing to ... OR Re-route to ... OR Alternative route?
DEVD	Deviation of distributor speed at your end
DEVS ...	Speed deviation is ... %
DF	You are in communication with the called subscriber
... DIS ...	The distortion on ... is ... %
DS ...	Distribution switched over to ...
DTE	Date of handing-in
EDIS ...	The transmitter distortion is ... %
ETAT	Government telegrams
ETATPRIORITE	Government telegrams OR telegrams relative to the application of the United Nations Charter
FAXx	Facsimile delivery (X = FACSIMILE NUMBER)
FMT	Format error
FVS	Fives
GENTEX	International switched network for the public telegram service
IAB	Invalid answerback from destination
ICI ...	Here is ...
IMA	Input message acknowledgement
IND	Answer-back code
INF	Subscriber temporarily unobtainable, call the information service

TELEX ABBREVIATIONS 2

INQ	Position specializing in the handling of service notes and advices
ITD	Input transaction accepted for delivery
ITL	I transmit later
JFE	Office closed because of holiday
Jx	Period of retention of radiotelegrams at land stations (X = NUMBER OF DAYS)
LDE	Maximum acceptable message length or duration has been exceeded
LOOP ...	I have looped circuit ...
LOOP ... SVP	Please loop circuit ...
LT	Letter telegrams
LTF	Government letter telegrams
LX	De luxe form
LXDEUIL	De luxe form of condolence
MAR ...	The margin is ... %
MEET ...	Meet me on circuit No. ...
MNS	Minutes
MOM	Please wait!
MOM PPR	Please wait! I have paper trouble
MUT	Mutilated
NA	Correspondence with this subscriber is not admitted
NA BK	Correspondence with this telegraph office is not admitted. I cut off
NARQ ...	Multiplex ... unprotected; please re-establish automatic request for repetition (ARQ)
NBL ...	Clearing ...
NBL ... SVP	Please clear ...
NC	No circuit
NCFM ...	No call-confirmation signal on ...
NCH	Number changed
NCS ...	No call-connected signal from ...
NDER	No fault found
NDN	Non-delivery notification
NI	No line identification available
N IND	I am not receiving your answer-back code
NOT R	Not received
NP	The called number is not OR no longer in use
N PER A	I am not receiving your permanent start polarity signal
N PER Z	I am not receiving your permanent stop polarity signal
NPS	I am not receiving your proceed-to-select signal
NR	Indicate your call number OR my call number is ...
OBS	Meteorological telegrams
OCC	Busy
OCC OCC ...	Permanent busy signal from ...
O/D	Telegraph office of destination
OMTD	Omitted
O/O	Telegraph office of handing-in
OPH ...	Out of phase on system ...
PER A ...	Permanent start polarity on ...
PER A ... SVP	Please send permanent start polarity on ...
PER Z ...	Permanent stop polarity on ...
PER Z ... SVP	Please send permanent stop polarity on ...
PERC ...	Permanent call on ...
PH ...	Please phase system ...
POSTFIN	Postal financial services telegrams
PPR	Paper
QDIS ...	Please mesure distortion on ...
Q DIS A	Is there bias distortion (prolonged start polarity) on the received signals?
Q DIS Z	Is there bias distortion (prolonged stop polarity) on the received signals?
QGA	May I transmit?
QOK	Do you agree?
QRCS	Are your receiving my calling signal?

QREF	Please give reference number
QRES	Please report result
RAFSO	Second application
RAP	I shall call you again
RAP ... MNS	I shall recall you in ... minutes
RAP ... MNS SVP	Please call me in ... minutes
RCT	Telegrams concerning persons protected in time of war by the Geneva Conventions of 12 August 1949
RDI	Redirected call
REF	Reference of the message delivered to the telex side from a conversion facility for telex/teletex interworking
RES ...	Here is the result of test on ...
RFC ...	I am receiving errors in 5-unit code. Please check channel No. ...
RMUT ...	I am receiving garbled signals on multiplex channel ... Please check your 7-unit code
ROUTE	Route to ... OR I am routing for ... OR Route?
RPFR	Please prepare your reperforator
RPFR TXT	Prepare your reperforator because of long or difficult text or because of telegrams having the same text
RPT AA ...	Repeat all after ...
RPT AB ...	Repeat all before ...
RPT ALL	Repeat the whole telegram
RPT BN ...	Repeat all between ... and ...
RPT SRL NR ...	Repeat reference number given by the transmitting office ...
RPT TG NR	Repeat telegram number
RPT TXT	Repeat text
RPT WA ...	Repeat word after ...
RPT WB ...	Repeat word before ...
RQFS ...	Your repetition cycle transmission contains 7-unit code faults. Please check channel No. ...
RS ...	Reception switched over to ...
RSBA	Retransmission still being attempted
SIG 1/1 SVP	Please send 1:1 signals
SIG 2/2 SVP	Please send 2:2 signals
SRL NR	Reference number given by a gentex transmitting office
SS ...	Storage switched over to ...
SSSS	Change of alphabet
SVH	Telegrams relating to the safety of life
SVIN	Service indication
SVP	Please
TAX	What is the charge OR The charge is ...
TCHN	Technical service OR I shall advise the technical service
TELEX	Subscriber´s telegraph service enabling users to communicate directly and temporarily with one another by means of start-stop apparatus
TESTD ... SVP	Please send test message with ... % distortion on ...
TEST MSG	Please send a test message
TFx	Telephone delivery (X = TELEPHONE NUMBER)
TG	Telegram
TG NR ...	Telegram number given by the handing-in office ...
THRU	You are in communication with a telex position
TLXx	Telex delivery (X = TELEX NUMBER)
TMA	Maximum number of addresses exceeded
TNS	Tens
TPLE	Triple word(s)
TPR	Teleprinter
TRAS ...	Please send alpha signal on multiplex channel ...
TRBS ...	Please send beta signal on multiplex channel ...
TRS ...	Transmission switched over to ...
TTX	Designation of the conversion facility (CF) for telex/teletex interworking

(continued on page 407)

24 Country list and addresses of utility stations

This list gives for each country in the world its basic telecommunication data, and the utility station addresses available.

The basic data is given on the right of the country name and includes

- the corresponding ITU symbol designating countries or geographical areas (from chapter 25);
- the corresponding international call sign series (from chapter 5);
- the corresponding WMO observing station number series (from chapter 5 in our AIR AND METEO CODE MANUAL);
- the corresponding ICAO location indicator series (from chapter 11 in our AIR AND METEO CODE MANUAL);
- the index (plate and grid numbers) to the corresponding map in the TIMES ATLAS OF THE WORLD.

These entries are separated by strokes. Example:

"PHILIPPINES PHL / DU-DZ 4D-4I / 98000-98999 / RP / 19L4" means

"Philippines

- ITU symbol designating the country or geographical area	PHL
- international call sign series	DU - DZ, 4D - 4I
- WMO observing station number series	98000 - 98999
- ICAO location indicator series	RP
- Times Atlas map index	plate 19 grid L4"

The index refers to the Seventh Comprehensive Edition 1985 of the Times Atlas of the World, which is the finest atlas in the world and thus a standard reference for the serious radio monitor. It covers 122 maps of the size 55 x 42 cm plus an index with more than 200000 place names complete with geographical coordinates, and can be ordered from Klingenfuss Publications for DEM 390 (including packing and postage as an insured parcel in Germany), DEM 410 (Europe) and DEM 420 (World). Write for further details if you are interested, and ask for a pro forma invoice if you want airmail delivery.

Note that our index is completely different from that used in the Times Atlas itself. As a matter of principle, the Times index - as far as states are concerned - indicates only a small-scale map covering a complete continent or region, like Europe on plate 49. Contrary hereto, the Klingenfuss index indicates that large-scale map on which the entire territory of the state is shown. For example, the Solomon Islands are not indexed to the 1 : 55 M plate 9 covering an area from Greenland over Asia and Australia to the Antarctic where they appear infinitely small, but to the 1 : 5 M plate 15 where they can be found in full size.

The addresses may be used for reception reports to stations monitored. They are listed alphabetically in category order. Category indicators used are

AF	Air Force
AIR	Aeronautical
ALC	Airline Company
CG	Coast Guard
CY	Company
EMB	Embassy
FF	Foreign Forces
IP	INTERPOL
MAR	Maritime
MET	Meteorological
MFA	Ministry of Foreign Affairs
MIL	Military
NAV	Naval
POL	Police, Gendarmerie
PRS	Press
PTT	Telecommunications Authority
TSF	Time Signal / Standard Frequency
UN	United Nations
**	Name of the verification signer

ADELIE LAND

ADL / see France / 89642 95500-95510 / - / 123D15

AFGHANISTAN

AFG / T6 YA / 40900-40999 / OA / 31B4

AIR General Administration of Civil Aviation; Directorate General of ATS/COM; Ansari Watt; P. O. Box 165; KABUL
ALC Ariana Afghan Airlines; Ansari Watt; P. O. Box 76; KABUL
PTT Ministry of Communications; State Radio Inspection Department; ITU Office; Director; KABUL

ALASKA

ALS / see United States of America / 70000-70999 / PA / 113

AIR Department of Transportation; Federal Aviation Administration; International Flight Service Station; Anchorage Airadio; 2016 East Fifth Avenue; ANCHORAGE, AK 99501
ALC Alaska Airlines Inc.; P. O. Box 68900; Tacoma International Airport; SEATTLE, WA 98168; USA
CG USCG Station Adak/NOX; Box 47; FPO SEATTLE, WA 98777; USA
CG U. S. Coast Guard Base; P. O. Box 37; KODIAK, AK 99619

ALBANIA

ALB / ZA / 13600-13699 / LA / 82D3

PRS Agence Telegraphique Albanaise; Technical Department; Boulevard Marcel Cachin 23; TIRANA
PTT Direction Generale des Postes, Telegraphes et Telecommunications; Departement des Radiocommunications; 42 Rue Myslym Shyri; TIRANA

ALGERIA

ALG / 7R 7T-7Y / 60350-60699 / DA / 88L7

AIR Etablissement National pour l´Exploitation Meteorologique et Aeronautique; Service de l´Information Aeronautique; Le Chef du Departement S.I.A.; U.E.N.A.; Route de Siddi Moussa Baraki; B. P. 653; EL DJAZA´IR/Gare
ALC Air Algerie; 1 Place Maurice-Audin; EL DJAZA´IR
MAR (Skikda R =) Ministere des Postes et Telecommunications; Centre Radiomaritime; BOUFARIK
MET Ministere des Transports; Office National de la Meteorologie; Centre National Automatise de Traitement de l´Information Meteorologique; Directeur; Ferme Viasphalt, Route de Sidi Moussa; Dar el Beida; EL DJAZA´IR
MFA Ministere des Affaires Etrangeres; 6 Rue Claude Bernard; EL DJAZA´IR
PRS Algerie Presse Service; 7 Boulevard Che Guevara; EL DJAZA´IR
- Ministere de l´Interieur; Direction Generale des Transmissions Nationales; Direction des Etudes Techniques de la Normalisation et des Programmes; Le Sous-Directeur de la Reglementation et du Controle; EL DJAZA´IR

AMSTERDAM AND SAINT PAUL ISLANDS

AMS / see France / 61996 / - / 26N14

MAR (Martin de Vivies R via DTRE Martin de Vivies)
PTT Le Chef Radio et le Gerant Postal; MARTIN DE VIVIES

ANDORRA

AND / C3 / - / - / 72G10

ANGOLA

AGL / D2-D3 / 66100-66499 / FN / 91D9

AIR Direccao Nacional de Aviacao Civil; Rua D. Miguel de Melo 92-6; C. P. 569; LUANDA

ALC TAAG Linhas Aereas de Angola; Avenida Luis de Camoes 123; C. P. 3010; LUANDA
MAR (Luanda R via EPTEL Luanda)
PRS Agencia Angola Press; Departemento Tecnico; Le Directeur Technique; Rua Mouzinho de Albuquerque 13, 10 Andar; C. P. 3181; LUANDA
PTT Empresa Publica de Telecomunicacoes; C. P. 625; LUANDA

ANGUILLA AIA / see United Kingdom / 78846-78849 / TO / 116N5

ANTARCTIC ANT / see respective states / 88963-88970 89000-89999 / NZCM / 123

MET (SAAM Moldezhnaya via AARI Leningrad, USSR)

ANTIGUA AND BARBUDA ATG / V2 / 78860-78864 / TA / 116o6

AIR Directorate of Civil Aviation of Eastern Caribbean States; P.O. Box 1130; ST. JOHN´S

ARGENTINA ARG / AY-AZ LO-LW L2-L9 / 87000-87999 / SA / 117G4

AIR Fuerza Aerea Argentina; Comando de Regiones Aereas; Direccion de Transito Aereo; Calle Comodoro Pedro Zanni 250; 1104 BUENOS AIRES
ALC Aerolineas Argentinas; Paseo Colon 185; 1063 BUENOS AIRES
ALC Austral Lineas Aereas SA; Apartado 42; Aeropuerto Internacional Ezeiza; 1802 BUENOS AIRES
MAR Boca Radio LSA; Subsecretaria de Marina Mercante; Jefe de la Planta Recepcion; c/o E.L.M.A.; Corrientes 389; 1043 BUENOS AIRES
MAR (General Pacheco R =) Seccion Planta Receptora Don Bosco; Jefe Seccion; Lomas de Zamora 252; DON BOSCO, B.A.
MET Ministerio de Defensa; Fuerza Aerea Argentina; Comando de Regiones Aereas; Servicio Meteorologico Nacional; Central Comunicaciones "ACC"; 25 de Mayo 658; 1002 BUENOS AIRES
NAV Centro Comunicaciones Navales; Jefatura de Operaciones; Malabia 3029; 1425 BUENOS AIRES
NAV Armada Argentina; Base Naval; Jefe Estacion Principal; 8111 PUERTO BELGRANO
PRS (AP Buenos Aires via ENCOTEL Buenos Aires)
PRS (DyN Buenos Aires via ENCOTEL Buenos Aires)
PRS (NA Buenos Aires via ENCOTEL Buenos Aires)
PRS (TELAM Buenos Aires via ENCOTEL Buenos Aires)
PTT Empresa Nacional de Correos y Telegrafos; Direccion General de Telegrafos Internacional; Sarmiento 151, 5 piso, Oficina 524; 1000 BUENOS AIRES
TSF Armada Argentina; Observatorio Naval; Servicio de Frecuencias Patrones de LOL; Jefe de Observatorio Naval; Avenida Costanera Sur 2099; BUENOS AIRES
TSF Instituto Geografico Militar; Servicio Internacional de la Hora; Seccion Conservacion de la Hora; Jefe de Seccion; Calle 38 Gral. Nicolas M. Savio 865; Villa Maipu; 1650 SAN MARTIN

ARUBA ABW / P4 / 78980-78984 / MACA / 116A1

ASCENSION ASC / see United Kingdom / 61902 / FH / 96B12

AUSTRALIA AUS / AX VH-VN VZ / 94100-95499 95511-95999 / AB AD AM AP AS / 10

AF RAAF Base; 20 Denowen Street; DARWIN, NT 5789

AIR Department of Aviation; Northern Territory Region; Flight Service Officer; P. O. Box 36821; WINNELIE, NT 5789
AIR (Perth Air via) Department of Aviation; The Deputy Secretary (Air); G.P.O. Box (1839-Q); MELBOURNE, VIC 3001
AIR Department of Air Transport; Sydney Kingsford-Smith Airport; Flight Service Centre; Flight Information Supervisor; P.O. Box 211; MASCOT, NSW 2020
ALC Ansett Airlines of Australia; 501 Swanston Street; MELBOURNE, VIC 3000
ALC Australian Airlines; P. O. Box 2806AA; MELBOURNE, VIC 3001
ALC Qantas Airways Ltd.; Qantas International Centre; International Square; P. O. Box 489; SYDNEY, NSW 2000
CY Royal Flying Doctor Service; Manager; P. O. Box 2210; ALICE SPRINGS, NT 5750
CY Royal Flying Doctor Service; Base Manager; P.O. Box 42; CHARLEVILLE, QLD 4470
FF (USN Exmouth =) NAVCOMMSTA Harold E. Holt; HMAS HARMAN; Officer in Charge; CANBERRA, ACT 2600
MAR Perth Radio VIP; Overseas Telecommunications Commission; Coastal Radio Station; Manager; P. O. Box 54; HILLARYS, WA 6025
MAR Sydney Radio VIS; P. O. Box 321; MAROUBRA, NSW 2035
MAR (Thursday Island R via OTC Sydney)
MET Department of Administrative Services; Bureau of Meteorology; Northern Territory Regional Office; Regional Director; 79-81 Smith Street; P.O. Box 735; DARWIN, NT 0801
MET (Canberra Meteo =) Department of Administrative Services; Bureau of Meteorology; Head Office; 150 Lonsdale Street; G.P.O. Box 1289K; MELBOURNE, VIC 3001
PTT Overseas Telecommunications Commission; Managing Director; 32 - 36 Martin Place; G. P. O. Box 7000; SYDNEY, NSW 2001
TSF National Standards Commission; Executive Director; P. O. Box 282; NORTH RYDE, NSW 2113

AUSTRIA AUT / OE / 11000-11399 / LO / 65

AIR Bundesamt für Zivilluftfahrt; Aeronautical Information Service; Schnirchgasse 11; A-1030 VIENNA
ALC Austrian Airlines; Postfach 50; A-1107 VIENNA
ALC Lauda Air Luftfahrt AG; Postfach 56; Flughafen; A-1300 VIENNA
MAR Erste Österreichische Donau-Dampfschiffahrts-Gesellschaft; Direktion; Hintere Zollamtsstr. 1; A-1030 VIENNA
MFA (MFA Vienna via PTT Vienna)
PTT Radio-Austria AG; Renngasse 14; A-1010 VIENNA

AZORES AZR / see Portugal / 08500-08515 / see Portugal / 96S4

AIR Aeroportos e Navegacao Aerea E. P.; Direccao Regional do Atlantico; Chief Aeronautical Radio; Aeropuerto de Santa Maria; P-9580 VILA DO PORTO
ALC Servico Acoreano de Transportes Aereos E. P.; Avenida Infante D. Henrique 55; P-9502 PONTA DELGADA
FF (PAF/USAF Lajes AFB =) USAF Communications Station CUW; Department of the Air Force; 1936 Communications Squadron; Operations NCO TCF; APO NEW YORK, NY 09406; USA
MAR (Ponta Delgada R via CPRM Ponta Delgada)
PTT Companhia Portuguesa Radio Marconi; O Garante em Ponta Delgada; Rua do Acoreano Oriental 39-A; P-9500 PONTA DELGADA

BAHAMAS BAH / C6 / 78050-78149 / MY / 116F2

AIR Director of Civil Aviation; P.O. Box 975; International Airport; NASSAU, N.P.
ALC Bahamasair; P. O. Box N4881; NASSAU, N.P.
MAR (Nassau R via BTC Nassau)
PTT Bahamas Telecommunications Corporation; General Manager; P. O. Box N-3048; NASSAU, N.P.

BAHRAIN

BHR / A9 / 41150-41159 / OB / 33K10

AIR Civil Aviation Directorate; Bahrain International Airport; P. O. Box 586; MANAMA
MAR (Manama R via BATELCO Manama)
PRS Gulf News Agency; English Section; P. O. Box 301; MANAMA
PTT Bahrain Telecommunications Company (Bsc); Maritime Operating Centre; Administrative Supervisor; P. O. Box 14; MANAMA

BANGLA DESH

BGD / S2-S3 / 41850-41999 / VG / 28G4

AIR Civil Aviation Authority; Communications Division; Assistant Director; Kurmitola; DHAKA 6
ALC Biman Bangla Desh Airlines; Biman Bhaban; Motijheel Commercial Area; DHAKA 2
MAR (Chittagong R via BTTB Dhaka)
MAR (Khulna R via BTTB Dhaka)
PTT Bangla Desh Telegraph and Telephone Board; Telejogajog Bhaban; 36/1 Mymensing Road; DHAKA 27

BARBADOS

BRB / 8P / 78954-78955 / TB / 116P6

AIR Ministry of International Transport; Air Traffic Services Building; Technical Director; Grantley Adams International Airport; CHRIST CHURCH
MAR (Bridgetown R via BEXTEL Bridgetown)
PTT Barbados External Telecommunications Ltd.; Operations Division; Manager; P. O. Box 32; BRIDGETOWN

BELGIUM

BEL / ON-OT / 06400-06499 / EB / 61

AIR Regie des Voies Aeriennes; Service SV/ATS; Aeroport de Bruxelles - National; B-1930 ZAVENTEM
ALC Air Belgium; Velvoordelaan 192; B-1930 ZAVENTEM
ALC Sabena; 35 Rue Cardinal Mercier; B-1000 BRUSSELS
ALC Sobelair; 131 Avenue Frans Courtens; B-1030 BRUSSELS
ALC Trans European Airways; Building 117; Airport; B-1910 MELSBROEK
FF (NATO Mons =) S.H.A.P.E.; Regional Signal Group; Radio NCO; Commander Systems Squadron; B-7010 MONS
MAR Kuststation Antwerpen Radio; Administratieve Dienst; Blaneefloerlaan 179; B-2050 ANTWERPEN
MAR Gewert van de Maritieme Diensten; Aartshertsoginnenstraat 27; B- OOSTENDE
NAV (BN Oostende =) Verbindingscentrum Zeemacht; Wenduinesteenweg 133; B- VLISSEGEM
PTT Regie des Telegraphes et des Telephones; Administration Centrale; Departement de la Transmission; 42 Rue des Palais; B-1210 BRUSSELS

BELIZE

BLZ / V3 / 78575-78599 / MZ / 115P9

AIR The Chief Civil Aviation Officer; Belize International Airport; P.O. Box 367; BELIZE CITY

BENIN

BEN / TY / 65300-65349 / DB / 89L8

AIR Representation de l´ASECNA; B. P. 96; COTONOU
MAR (Cotonou R via PTT Cotonou)
PTT Office des Postes et Telecommunications; Directeur General; COTONOU

BERMUDA
BER / see United Kingdom / 78000-78019 / TX / 96A1

AIR Department of Civil Aviation; Ferry Reach; ST. GEORGE´S 1-15
MAR (Hamilton R via C+W Hamilton)
PTT Cable and Wireless PLC; Church Street West; P. O. Box 151; HAMILTON 5

BHUTAN
BHU / A5 / - / VQ / 28G2

AIR Ministry of Communications and Tourism; Department of Civil Aviation; P. O. Box 209; THIMPHU
ALC Druk Air Corporation; P. O. Box 209; THIMPHU

BOLIVIA
BOL / CP / 85000-85399 / SL / 120E7

AIR AASANA; Administracion de Aeropuertos y Servicios Auxiliares a la Navegacion Aerea; Avenida Montes 716; Casilla 4382; LA PAZ
AIR AASANA; Administracion de Aeropuertos y Servicios Auxiliares a la Navegacion Aerea; Aeropuerto Internacional de Viru-Viru; Jefe Centro Regional Operaciones; Casilla 1449; SANTA CRUZ
ALC Lloyd Aereo Boliviano, S.A.M.; Casilla 132; COCHABAMBA

BOTSWANA
BOT / A2 8O / 68024-68328 / FB / 94G4

AIR Department of Civil Aviation; Chief Air Traffic Control Officer; P. O. Box 250; GABORONE
ALC Air Botswana (Pty.) Ltd.; P. O. Box 92; GABORONE

BOURKINA FASO
BFA / XT / 65500-65525 / DH / 89J5

AIR ASECNA; Representation en Haute-Volta; B. P. 63; OUAGADOUGOU
ALC Naganagani; B. P. 4580; OUAGADOUGOU

BRAZIL
B / PP-PY ZV-ZZ / 82000-83999 / SB / 117H3

AIR (Brasilia Air via TASA Rio de Janeiro)
AIR (Manaus Air via TASA Rio de Janeiro)
AIR Servico Regional de Protecao ao Voo de Recife; Chefe Interimo do SRPV Recife; Abreu de Miranda; Av. Mal. Mascarenhas de Morais 6211; 50000 RECIFE, PE
AIR Telecomunicacoes Aeronauticas S. A.; C. P. 161; Aeropuerto de Belmont; PORTO VELHO, RO
AIR Telecomunicacoes Aeronauticas S.A.; Aeroporto Internacional do Galeao; Hangar No. 2; C. P. 3112; 20001 RIO DE JANEIRO, RJ
ALC Linhas Aereas Transbrasil S/A; Aeroporto Internacional; Hangar de Transbrasil; 71600 BRASILIA, DF
ALC Servicos Aereos Cruzeiro do Sul SA; Avenida Almirante Silvio de Noronha 365; 20021 RIO DE JANEIRO, RJ
ALC Viacao Aerea Rio Grandense SA; Avenida Almirante Silvio de Noronha 365; 20021 RIO DE JANEIRO, RJ
ALC Viacao Aerea Sao Paulo SA; Edificio VASP; Aeroporto de Congonhas; 04695 SAO PAULO, SP
MAR Estacao Costeira Belem; Avenida Tavaros Bastos; 66000 BELEM
MAR Estacao Costeira Juncao; Rua Otacilio Charas 199; 96200 VILA JUNCAO, RS
MAR EMBRATEL; Chefe de Distrito de Operacoes de Manaus; 69000 MANAUS, AM
MAR ** Marcos Antonio M. de Sena; Rua Eladio Ramos 99; Boa Viagem; 50000 RECIFE, PE
MAR EMBRATEL; Centro de Operacoes Costeiras; Estrada da Matriz; 3286 Pedra de Guaratiba; 200.. RIO DE JANEIRO, RJ

MAR Santos Radio PPS; Avenida Epitacio Pessoa 743; SANTOS, SP
MET Ministerio da Agricultura; Instituto Nacional de Meteorologia; Nucleo do Intercambio Tecnologico; Director Geral; Praca 15 de Novembro, 2-5° and.; 20010 RIO DE JANEIRO, RJ
NAV Estacao Radio da Marinha no Rio de Janeiro; 1. Distrito Naval; Chefe Departemento Op. Comunicacoes; Estrada do Jequia s/n; Ilha do Governador; RIO DE JANEIRO, RJ
NAV Estacao Radio da Marinha em Salvador; Base Naval de Aratu; 40800 SALVADOR, BA
TSF Servico de Hora; Observatorio Naval (MEC); Rua General Bruce 586; Sao Cristavao; 20000 RIO DE JANEIRO, RJ

BRITISH INDIAN OCEAN TERRITORY BIO / see United Kingdom / - / FJ / 27L11

BRUNEI BRU / V8 / 96300-96399 / WBA WBS / 18L3

AIR Director of Civil Aviation; Department of Civil Aviation; Brunei International Airport; BANDAR SERI BEGAWAN
ALC Royal Brunei Airlines Ltd.; P. O. Box 737; BANDAR SERI BEGAWAN

BULGARIA BUL / LZ / 15500-15999 / LB / 82F2

AIR Ministry of Transport; State Aeronautical Inspectorate; 9 Levsky Street; BG-1... SOFIA
ALC Balkan Bulgarian Airlines; International Airport; BG-1... SOFIA C
PRS Bulgarska Telegrafitscheka Agentzia; Boulevard Lenin 49; BG-1... SOFIA
PTT Association Nationale des Postes et Telecommunications; BG-1000 SOFIA

BURUNDI BDI / 9U / 64390-64399 / HB / 93A9

AIR Ministere des Transports et de l´Aeronautique; Direction de la Regie des Services Aeronautiques; Le Chef du Service des Telecommunications Aeronautiques; B. P. 694; USUMBURA

BYELORUSSIA BLR / EU-EW / see Union of Soviet Socialist Republics / see Union of Soviet Socialist Republics / 46F3

CAMEROON CME / TJ / 64850-64999 / FK / 84F5

AIR ASECNA; Representation au Cameroun; Chef Service d´Exploitation des Telecommunications; Le Representant de l´Agence; B. P. 4063; DOUALA
ALC Cameroon Airlines; B. P. 4092; DOUALA
MAR Station Cotiere Douala Radio TJK; Chef de la Station; DOUALA

CANADA CAN / CF-CK CY-CZ VA-VG VO VX-VY XJ-XO / 71000-71999 / CU-CZ / 97

AIR Transport Canada; Gander International Flight Service Station; Flight Services Area Supervisor; 89 Edinburgh Avenue; Box 400; GANDER, NFLD A1V 1W8
ALC AirBC Ltd; 4740 Agar Drive; RICHMOND, BC V7B 1A6
ALC Air Canada; Place Air Canada; MONTREAL, QUE H2Z 1X5
ALC Air Charter Systems of Canada; 780 Magenta Boulevard; FARNHAM, QUE J2N 1B8
ALC Air Ontario Inc.; 1 Ontario Drive; LONDON, ONT N5V 3S4
ALC Air Star Corporation; 2595 Skymark Avenue; MISSISSAUGA, ONT L4W 4L5
ALC Air Transat Inc.; Aeroport International; Edifice D; Local 242; MIRABEL, QUE J7N 1C2

ALC Bradley Air Services Ltd.; Carp Airport; CARP, ONT K0A 1L0
ALC Canadian; Scotia Centre 2800; 700 2nd Street S.W.; CALGARY, ALTA T2P 2W2
ALC Minerve Canada; 980 St. Antoine West; Suite 201; MONTREAL, QUE H3C 1A8
ALC Nationair Canada; CP 300; International Airport; MIRABEL, QUE J7N 1A3
ALC Quebecair; B. P. 490; Aeroport International; MONTREAL, QUE H4Y 1B5
ALC Vacationair Inc.; 1111 Finch Avenue West; DOWNSVIEW, ONT M3J 2E5
ALC Wardair Canada; 3111 Convair Drive; MISSISSAUGA, ONT L5P 1C2
ALC Worldways Canada Ltd.; 6299 Airport Road; MISSISSAUGA, ONT L4V 1N3
CG Coast Guard Radio Station; P. O. Box 189; FROBISHER BAY, NWT X0A 0H0
CG Station VOK; P. O. Box 610; GOOSE BAY, LAB A0P 1S0
CG Halifax Marine Radio VCS; Shift Supervisor; Ketch Harbour; HALIFAX COUNTY, NS
CG Transport Canada; Quebec Coast Guard; 101 Boulevard Champlain; QUEBEC, QUE G1K 4H9
CG Transport Canada; Coast Guard Radio Station; Manager of Operations; B.P. 100; RIVIERE-AU-RENARD, QUE G0E 2A0
CG St. Anthony Coast Guard Radio; P. O. Box 157; ST. ANTHONY, NFLD A0K 4S0
CG Stephenville Coast Guard Radio; 58 Alabama Drive; STEPHENVILLE, NFLD A2N 2X5
CG CCG Radio Station St. John´s; Area Operations Manager; P. O. Box 1300; ST. JOHN´S, NFLD A1C 6H8
CG Sydney Coast Guard Radio; Area Operations Manager; Telecommunications and Electronics; P. O. Box 863; SYDNEY, NS B1P 1C6
CG Vancouver Coast Guard Marine Airadio Station VAI; 109 4611 Cowley Crescent; RICHMOND, BC V7B 1B9
MET Department of the Environment; Atmospheric Environment Service; Field Services Directorate; 4905 Dufferin Street; DOWNSVIEW, ONT M3H 5T4
NAV Canadian Forces METOC Centre; FMO Halifax; CFB; HALIFAX, NS B3K 2X0
TSF Radiostation CHU; National Research Council; Observatory Crescent; OTTAWA, ONT K1A 0S1

CANARY ISLANDS CNR / see Spain / 60000-60099 / GC / 96U11

ALC Lineas Aereas Canarias, SA; Edificio Hamilton; La Marina 7; Piso 2; Of. 30; E- SANTA CRUZ DE TENERIFE
MAR Centro Regional de Comunicaciones Radiomaritimas; San Cristobal; Grenadera Canaria 19; E-35001 LAS PALMAS
MET (Las Palmas Meteo via Madrid Meteo, Spain)

CAPE VERDE CPV / D4 / 08581-08599 / GV / 89o10

AIR Servico de Informacao Aeronautica; Central Radio; Aeroporto Internacional; AMILCAR CABRAL, Sal
ALC Transportes Aereos de Cabo Verde; C. P. 1; PRAIA, Santiago
MAR Ministerio dos Transportes e Comunicacoes; Direccao dos Servicos dos Correios e Telecomunicacoes; Estacao Costeira D4A; MINDELO, Sao Vicente

CAYMAN ISLANDS CYM / see United Kingdom / 78383-78384 / MW / 116D5

AIR Director of Civil Aviation; P. O. Box 277; GEORGETOWN, Grand Cayman
ALC Cayman Airways Ltd.; P. O. Box 1101; GEORGETOWN, Grand Cayman

CENTRAL AFRICAN REPUBLIC CAF / TL / 64600-64699 / FE / 89H8

AIR ASECNA; Le Representant aupres de la Republique Centrafricaine; B. P. 828; BANGUI

CHAD

TCD / TT / 64700-64799 / FT / 89H5

AIR ASECNA; Representation du Tchad; Service des Installations Techniques; Le Chef du Service Maintenance; B. P. 70; N´DJAMENA

PTT Societe des Telecommunications Internationales du Tchad; B.P. 1132; N´DJAMENA

CHILE

CHL / CA-CE XQ-XR 3G / 85400-85999 / SC / 117G4

AIR Direccion de Aeronautica; Pasaje Antonio Varas 1190; 3. Piso; Apartado 3; Correo Providencia; SANTIAGO

ALC Linea Aerea del Cobre, SA; Avenida Bulnes 147; Casilla 13740; SANTIAGO

ALC Linea Aerea Nacional de Chile, SA; Avenida Pedro Aguirre Cerda 5300; SANTIAGO

MET Ministerio de Defensa Nacional; Fuerza Aerea de Chile; Direccion General de Aeronautica; Direccion Meteorologica de Chile; Comandante de Grupo (C); Casilla 717; SANTIAGO

NAV Armada de Chile; Gobernacion Maritima de Aysen; Casilla 278; PUERTO AYSEN

NAV Armada de Chile; Comandancia en Jefe; Jefe; Servicio Telecomunicaciones; SANTIAGO

CHINA

CHN / B XS 3H-3U / 50000-59999 / ZB-ZH ZL-ZY / 17E5

AIR Civil Aviation Administration of China; Telecommunications Department; 155 Doug-si West Street; P. O. Box 644; BEIJING

ALC China United Airlines; Dong Changan Jie 31; BEIJING

ALC Civil Aviation Administration of China; P. O. Box 644; BEIJING

ALC Shanghai Airlines; 191 Chang Le Road; SHANGHAI

MAR Guangzhou Coast Radio Station; P. O. Box 1181; GUANGZHOU

MAR Shanghai Radio XSG; Shanghai Marine Telecommunications and Navigation Company; 20 Guang Dong Road; SHANGHAI

MET State Meteorological Administration; Department of Operations and Development; Assistant Director; 46 Baishiqiaolu; BEIJING

PTT Ministry of Posts and Telecommunications; BEIJING

PTT Shanghai Telegraph Office; Traffic Section; 34 Nanking Road Eastern; SHANGHAI

TSF Zi-Ka-Wei Observatory; Academia Sinica; SHANGHAI

TSF Shaanxi Astronomical Observatory; Academia Sinica; Chief of Science/Technique Section; P. O. Box 18; LINTONG near Xi´an

CHRISTMAS ISLAND

CHR / see Australia / 96995 / APXM / 26V3

COCOS (KEELING) ISLANDS

ICO / see Australia / 96996 / APOS / 26V1

AIR Department of Aviation; Officer-in-Charge; P. O. Box 1; PANJANG 6799

COLOMBIA

CLM / HJ-HK 5J-5K / 80000-80399 / SK / 119C5

AIR Departemento Administrativo de Aeronautica Civil; Centro Nacional de Aeronavegacion; Aeropuerto Internacional El Dorado; Apartado Aereo 12307; BOGOTA, D.E.

AIR Departemento Administrativo de Aeronautica Civil; Aeropuerto Camilo Daza; Apartado Aereo 114; CUCUTA

AIR Departemento de Aeronautica Civil; Aeropuerto Baracoa; Apartado Aereo 112; MAGANGUE, Bolivar

ALC Aerolineas Centrales de Colombia, SA; Calle 51 No. 51-20; Edificio del Cafe; Apartado Aereo 6503; MEDELLIN

ALC Aerovias Nacionales de Colombia SA; Avenida El Dorado 93-30; Piso 4; Bloque 1; BOGOTA, D.E.

ALC	Sociedad Aeronautica de Medellin Consolidada, SA; Oficina del Gerente; Calle 52; 52-11; Ed. SAM; Apartado Aereo 1085; MEDELLIN
MAR	(Buenaventura R via ENTEL Bogota)
PTT	Empresa Nacional de Telecomunicaciones; Carrera 23 No. 13-49; BOGOTA, D. E.

COMOROS COM / D6 / 67000-67004 / FMCH-FMCV / 95A1

AIR	Service de l´Aviation Civile; B. P. 72; MORONI
PTT	(PTT Moroni via DTRE Paris, France)

CONGO COG / TN / 64400-64499 / FC / 91D4

AIR	ASECNA; Representation au Congo; Service Meteorologique; Centre Regional des Telecommunications Meteorologiques; B. P. 218; BRAZZAVILLE
MAR	(Pointe Noire R via ONPT Brazzaville)
MET	(Brazzaville Meteo via ASECNA Brazzaville)
PTT	Office National des Postes et Telecommunications; Avenue Patrice Lumumba; BRAZZAVILLE

COOK ISLANDS CKH / see New Zealand / 91800-91811 91826-91847 / NC / 122L10

MAR	(Avarua R via C+W Rarotonga)
PTT	Cable and Wireless PLC; P. O. Box 47; RAROTONGA

COSTA RICA CTR / TE TI / 78750-78774 / MR / 115M4

AIR	Ministerio de Obras Publicas y de Transportes; Direccion General de Aviacion Civil; Apartado 5026; SAN JOSE
ALC	Lineas Aereas de Costa Rica, SA; Apartado 1531; SAN JOSE
MAR	(Limon R via RACSA San Jose)
PTT	Radiografica Costarricense; Jefe Departemento Tecnico; Apartado 54; 1000 SAN JOSE

CROZET ARCHIPELAGO CRO / see France / 61997 / - / 26N16

CUBA CUB / CL-CM CO T4 / 78150-78379 / MU / 116D4

AIR	Ministerio del Transporte Aerea Aeronautica; Calle 23 no. 64 vedado; Plaza de la Revolucion; Apartado 6215; HABANA
ALC	Cubana; Calle 23 No. 64; La Tampa; Vedado; HABANA 4
MAR	(Habana R via PTT Habana)
PRS	Prensa Latina; Departemento Tecnico; Calle 23 no. 201 vedado; HABANA
PTT	Ministerio de Comunicaciones; Direccion General de Telecomunicaciones; Director Operaciones y Mantenimiento; Placa de la Revolucion "Jose Marti"; HABANA 6

CYPRUS CYP / C4 H2 P3 5B / 17600-17619 / LC / 83K13

AIR	Ministry of Communications and Works; Department of Civil Aviation; 25 St. George´s Hill; NICOSIA
ALC	Airfast Ltd.; P. O. Box 223; PAPHOS
ALC	Cyprus Airways Ltd.; P. O. Box 1903; NICOSIA
FF	RAF Communications Station MKD; Chief Signals Officer; B.F.P.O. 52; AKROTIRI
MAR	(Nicosia R via CTA Nicosia)

PTT Cyprus Telecommunications Authority; Head Office; Chief Engineer; Telecommunications Street; P. O. Box 4929; NICOSIA 142
UN United Nations Force in Cyprus; Radio Supervisor; P. O. Box 1642; NICOSIA

CZECHOSLOVAKIA TCH / OK-OM / 11400-11999 / LK / 62J6

AIR Air Traffic Control Administration; Rizeni letoveho provozu; TEI department; Director; Letiste Praha-Ruzyne; CS-16008 PRAGUE 6
ALC Ceskoslovenske Aerolinie; Ruzyne Airport; CS-16008 PRAGUE 6
MAR Ceskoslovenska Plavba Dunajska; C.S.P.D.; Czechoslovakia Danube Navigation; Zaved riecnej a namornej dopravy; Director of Section River and Sea Traffic; Ulica Cernevej armady 39; CS-89024 BRATISLAVA
MET Hydrometeorologicky Ustav; Czech Hydrometeorological Institute; Director; Holeckova 8; CS-15129 PRAGUE 5
MFA (MFA Prague via PTT Prague)
PRS (CETEKA Prague via PTT Prague)
PTT Federal Ministry of Transport, Posts and Telecommunications; Chief Engineer of Radiocommunications Division; Olsanska 5; CS-12502 PRAGUE 3
TSF Astronomical Institute; Time Division; Budecska 6; CS- PRAGUE 2

DENMARK DNK / OU-OZ XP 5P-5Q / 06000-06199 / EK / 53

AIR Civil Aviation Administration; Department of Air Navigational Facilities and Services; Kigkurren 6-8, M; DK-2300 COPENHAGEN S
ALC Conair; Hangar 276; Copenhagen Airport; DK-2791 DRAGOER
ALC Maersk Air I/S; Copenhagen Airport South; DK-2791 DRAGOER
ALC Sterling Airways A/S; Copenhagen Airport; Hangar 144; DK-2791 DRAGOER
MAR Blavand Radio OXB; Blavand Radiotelegrafkontor; DK-6857 BLAVAND
MAR Lyngby Radio OXZ; Lyngby Radio-Drift; Bagsvaerd Mollevej 7; DK-2800 LYNGBY
MAR Statens Teletjeneste; Roenne Radio; Lille-Madse-Gade 18; DK-3700 ROENNE
MAR Skagen Radio OXP; Skagen Radiotelegrafkontor; Jens-Winthers-Vej 37; DK-9900 SKAGEN
MAR Torshavn Radio OXJ; Det Store Nordiske Telegraf-Selskab A/S; Tinghusvegur 76; Postboks 1288; DK-3800 TORSHAVN
MET Danmarks Meteorologiske Institut; Vejrtjenesten; Lyngbyvej 100; DK-2100 COPENHAGEN O

DIEGO GARCIA DGA / see United States of America / 61967 / FJDG / 27L11

NAV US Naval Oceanography Command Detachment Diego Garcia; Box 10; FPO SAN FRANCISCO, CA 96685-2905; USA

DJIBOUTI DJI / J2 / 63100-63149 / HF / 87J5

AIR Direction de l´ Aviation Civile et de la Meteorologie; Bureau de Piste; Aeroport de Jibuti-Ambouli; B. P. 204; JIBUTI
ALC Air Djibouti; B. P. 505; JIBUTI
FF (FF Jibuti via FN Paris, France)
MAR (Jibuti R via PTT Jibuti)
PTT Centre des Telecommunications Internationales; Office des Postes et Telecommunications; Reseau General Radioelectrique; Le Chef de Centre; Boulevard de la Republique; B. P. 2031; JIBUTI

DOMINICA DMA / J7 / 78905-78914 / TD / 116o7

AIR Ministry of Communications and Works; Department of Civil Aviation; ROSEAU

DOMINICAN REPUBLIC

DOM / HI / 78450-78499 / MD / 116J5

AIR Direccion General de Aeronautica Civil; Edificio de "Telecomunicaciones"; Isabel la Catolica 73; SANTO DOMINGO
ALC Aerotours Dominicano; Aeropuerto Las Americas; SANTO DOMINGO
ALC Dominicana de Aviacion; Apartado 1415; SANTO DOMINGO

EASTER ISLAND

PAQ / see Chile / 85469 / SCIP SCIZ / 122V16

ECUADOR

EQA / HC-HD / 84000-84299 / SE / 119B8

AIR Direccion General de Aviacion Civil; Buenos Aires 149 y 10 de Agosto; Casilla 2077; QUITO
ALC Ecuatoriana; Torres de la Almagro; Avenida Colon y Reina Victoria; QUITO
ALC Servicios Aereos Nacionales, SA; Casilla 7138; GUAYAQUIL
ALC Sociedad Anonima Ecuatoriana de Transportes Aereos, Ltda.; Casilla 2943; QUITO
ALC Transportes Aereos Militares Ecuatorianos, CA; Casilla 8736; Sucursal Almagro; QUITO
MAR Direccion de la Marina Mercante y del Litoral; Malecon Simon Bolivar y Clemente Ballen; GUAYAQUIL
TSF Instituto Oceanografica de la Armada; Jefe del Departemento Ayudas a la Navegacion; Casilla 5940; GUAYAQUIL

EGYPT

EGY / SSA-SSM SU 6A-6B / 62300-62599 / HE / 85J6

AIR Egyptian Civil Aviation Authority; COM/OPS Director General; 31, 26th July Street; CAIRO
ALC Air Sinai; 12 Kasr El Nil Street; CAIRO
ALC Egypt Air; Cairo International Airport; HELIOPOLIS
MAR Alexandria Radio; 9th Floor; Manshia Square; ALEXANDRIA
MAR Port Said Radio; 15 Sultan Hussein Street; PORT SAID
MAR (Serapeum R =) Navigation Warning Center; Manager; Ismailia Post Office; 41511 ISMAILIA
MET Ministry of Civil Aviation; Meteorological Authority; Telecom Section; Engineer in Charge; Koubri el Quobba; CAIRO
PRS Middle East News Agency; Head of Engineering Section; 4 Sherifein Street; CAIRO

EL SALVADOR

SLV / HU YS / 78650-78674 / MS / 115o11

AIR Direccion General de Aeronautica Civil; Aeropuerto Internacional; ILOPANGO
ALC TACA International Airlines SA; Edificio Caribe 2 Piso; SAN SALVADOR

EQUATORIAL GUINEA

GNE / 3C / 64800-64849 / FG / 91A2

AIR Ministerio de Comunicaciones y Transportes; Direccion General de Transportes; Apartado 416; MALABO

ETHIOPIA

ETH / ET 9E-9F / 63000-63599 / HA / 87F6

AIR Civil Aviation Authority; Engineering Department; Head Nav-aid & Communications; P. O. Box 978; ADDIS ABABA
ALC Ethiopian Airlines Corporation; P. O. Box 1755; ADDIS ABABA
MAR (Assab R via ETA Addis Ababa)

PTT Ethiopian Telecommunications Authority; Head Office; Radio Division; P.O. Box 1047; ADDIS ABABA

UN United Nations; Communications Station 4UF; Economic Commission for Africa; ECA Cable Unit; P. O. Box 3001; ADDIS ABABA

FALKLAND ISLANDS (MALVINAS) AND DEPENDENCIES FLK / see United Kingdom / 88880-88903 / SF / 121E9

MAR Port Stanley Radio VPC; Station Supervisor; PORT STANLEY

FIJI FJI / 3DN-3DZ / 91650-91699 / NFF-NFS / 10Q5

AIR Nadi Airadio; Operations and Safety Division; Communication Services; Station´s Communications Officer; P. O. Box 183; Airport; NADI

ALC Air Pacific Ltd.; Air Pacific House; Butt Street; P. O. Box 11; SUVA

MAR (Suva R via FITEL Suva)

PTT Fiji International Telecommunications Ltd.; P. O. Box 49; SUVA

FINLAND FNL / OF-OJ / 02800-02999 / EF / 51

AIR National Board of Aviation; P. O. Box 50; SF-01531 VANTAA

ALC Air Finlandia, Oy; Vanamonkatu 3; SF-57220 SAVOLINNA

ALC Finnair, Oy; Mannerheimintie 102; SF-00250 HELSINKI

ALC Karair, Oy; Helsinki-Vantaan Ientoasema; SF-01530 VANTAA

MAR (Helsinki R via PTT Helsinki)

MAR Kotka Radio; Station Manager; Pl 2; SF-48221 KOTKA 21

MAR Vaasa Radio; SF-65380 VAASA 38

PTT General Directorate of Posts and Telecommunications; Telecommunications Department; International Section; P. O. Box 526; SF-00101 HELSINKI

FRANCE F / F HW-HY TH TK TM TO-TQ TV-TX / 07000-07999 / LF / 67

AF Armee de l´Air; F. A. Tac. - 1ere R. A.; Commandement Regional des Transmissions de la Force Aerienne Tactique et de la 1ere Region Aerienne; Metz Air; F-57039 METZ Cedex

AF French Air Force Communications Station FDY; Escadron Electronique 1/800; F-45000 ORLEANS-BRICY-AIR

AF (FAF Paris =) Radio Club de la BA 117 F6TNB; Bat. 22 Piece 561; 24 Boulevard Victor; F-75015 PARIS

AIR Ministere des Transports; Direction Generale de l´Aviation Civile; Direction de la Navigation Aerienne; L´Inspecteur Technique; 93 Boulevard du Montparnasse; F-75006 PARIS Cedex

ALC Aeromaritime; 50 Rue Arago; F-92806 PUTEAUX

ALC Air Charter; 4 Rue de la Couture; Silic 318; F-94588 RUNGIS Cedex

ALC Air France; 1 Square Max Hymans; F-75741 PARIS Cedex 15

ALC Air Inter; 1 Avenue Marechal Devaux; F-91550 PARAY Vieille Poste

ALC Air Liberte; B. P. 783; F-94548 ORLY AEROGARE

ALC Air Mediterranee International System; Bat. B4; Aeroport; F-06056 NICE Cedex

ALC Air Service Nantes; 9 Rue d´Algers; F-44000 NANTES

ALC Corse Air International; Orly Fret 617; F-94392 ORLY AEROGARE Cedex

ALC Euralair; Aeroport du Bourget; F-93350 LE BOURGET

ALC Europe Aero Service; Aerodrome de Perpignan-Rivesaltes; F-66028 PERPIGNAN Cedex

ALC Minerve, S.A.; 4 Rue Cambon; F-75001 PARIS

ALC UTA; 3 Boulevard Malesherbes; F-75008 PARIS

IP Le Chef du Centre Radio; O.I.P.C. INTERPOL; 26 Rue Armengaud; F-92210 ST. CLOUD

MAR Centre Radiomaritime de Bordeaux-Arcachon; Le Chef de Centre; F-33311 ARCACHON

MAR Boulogne-sur-Mer Radio; Le Portel (Pas-de-Calais); F-62200 BOULOGNE-SUR-MER
MAR Centre Radiomaritime Brest-Le Conquet; Officer-in-Charge; F-29217 LE CONQUET
MAR Centre Radiomaritime de Marseille; Mont Rose par la Madrague de Montredon; F-12008 MARSEILLE
MAR Centre Radiomaritime de Saint-Lys; Le Chef de Centre; F-31470 SAINT-LYS
MAR DTRE Services Radioelectriques; Centre Radiomaritime; L´Inspecteur Central; F-44480 SAINT-NAZAIRE-DONGES
MIL Ministere de la Defense; Etat-Major des Armees; Chef; 14 Rue Saint-Dominique; F-75997 PARIS Armees
NAV Marine Nationale Francaise; Poste Emetteur; Arsenal Maritime; F-29240 BREST-Naval
NAV (FN La Regine via FN Toulon)
NAV (FN Le Blanc via FN Paris)
NAV Ministere de la Defense; Marine Nationale Francaise; Division T. E. R.; Secretariat EMM/OPS/TRANS; Bureau "Transmissions"; Etat-Major de la Marine; 2 Rue Royale; F-75200 PARIS-Naval
NAV Marine Nationale; IIIe. Region Maritime; Service Transmissions et Veille Littorale; Chef du Service TVL; F-83800 TOULON-Naval
PRS Agence France Presse; A.F.P. Technique; Le Chef du Service Peri-Informatique et Radio; 13 Place de la Bourse; B. P. 20; F-75061 PARIS Cedex 2
PTT Direction des Telecommunications des Reseaux Exterieurs; Immeuble DTRE Bercy; M. l´Ingenieur en Chef; 246 Rue de Bercy; F-75584 PARIS Cedex 12
TSF Centre National d´Etudes des Telecommunications; Departement EST/DEF; 38-40 Rue du General Leclerc; F-92131 ISSY-LES-MOULINEAUX
TSF Bureau International de l´ Heure; Laboratoire Primaire du Temps et des Frequences; M. le Chef du Service de l´Heure; 61 Avenue de l´Observatoire; F-75014 PARIS

GABON GAB / TR / 64500-64599 / FO / 91B4

AIR Representation de l´ASECNA; Chef Maintenance; B. P. 2252; LIBREVILLE
ALC Air Gabon; B. P. 2206; LIBREVILLE
ALC Gamair Ltd.; Yundum International Airport; BANJUL
ALC West African Airways Ltd.; P. O. Box 393; BANJUL
MAR (Libreville R via TIG Libreville)
PTT Telecommunications Internationales Gabonaises; B. P. 2261; LIBREVILLE

GAMBIA GMB / C5 / 61700-61749 / GB / 89B5

AIR Department of Civil Aviation; Directorate; Yundum International Airport; P.O. Box 285; BANJUL
MAR (Banjul R via C+W Banjul)
PTT Cable and Wireless Ltd.; P. O. Box 266; BANJUL

GERMAN DEMOCRATIC REPUBLIC DDR / Y2-Y9 / 09000-09999 / ET / 62G2

AIR Ministerium für Verkehrswesen; Hauptverwaltung der Zivilen Luftfahrt; Zivile Flugsicherung; Zentral-Flughafen; DDR-1189 BERLIN-SCHÖNEFELD
ALC Interflug; Zentral-Flughafen; DDR-1189 BERLIN-SCHÖNEFELD
MAR Funkamt Rügen; Küstenfunkstelle; DDR-2344 GLOWE
MET Meteorologischer Dienst der DDR; Stellvertreter des Direktors; Albert-Einstein-Strasse 42-44-46; DDR-1500 POTSDAM
PRS Allgemeiner Deutscher Nachrichtendienst; Technische Abteilung; Mollstr. 1; DDR-1020 BERLIN
PTT Ministerium für Post- und Fernmeldewesen; Überseedienst der Deutschen Post; Agastrasse; DDR-1199 BERLIN-ADLERSHOF
TSF Amt für Standardisierung, Meßwesen und Warenprüfung; Fachabteilung Elektrizität und Magnetismus; Arbeitsgebiet Zeit- und Frequenznormale; Fürstenwalder Damm 388; DDR-1162 BERLIN

GERMANY (FEDERAL REPUBLIC OF)

D / DA-DR / 10000-10999 / ED / 62D5

AIR Bundesamt für Zivilluftfahrt; Opernplatz 14; Postfach 10 04 44; D-6000 FRANKFURT 1
ALC Aero Lloyd; Postfach 16 01 52; D-6000 FRANKFURT 1
ALC Bavaria Fluggesellschaft mbH & Co.; Denningerstr. 169; D-8000 MÜNCHEN 81
ALC Condor Flugdienst Gmbh; Hans-Böckler-Str. 7; D-6078 NEU-ISENBURG 1
ALC Deutsche Lufthansa AG; Abteilung Fernmeldedienst; Bereich West; D-6000 FRANKFURT 75 Flughafen
ALC Germania Fluggesellschaft mbH; Main Terminal; D-5000 KÖLN 90 Flughafen
ALC Hapag-Lloyd Flug GmbH; Prüforganisation; Postfach 42 02 40; D-3000 HANNOVER 42 Flughafen
ALC LTU; Halle 8; D-4000 DÜSSELDORF 30 Flughafen
ALC LTU Süd; Postfach 87 02 08; D-8000 MÜNCHEN 87
CY Klingenfuss Publications; Hagenloher Str. 14; D-7400 TÜBINGEN
FF (USA MARS Heidelberg =) US Army Communications Station AEM1USA; Department of the Army; 267th Signal Company; 73rd Signal Bataillon; Chief of Transmitter Branch; APO NEW YORK, NY 09189; USA
MAR Küstenfunkstelle Kiel Radio; Funkstellenweg 30; D-2300 KIEL-SCHILKSEE
MAR Küstenfunkstelle Norddeich Radio; D-2980 NORDEN
MET (Grengel Meteo =) Amt für Wehrgeophysik; Beratungszentrale T3; Postfach 90 25 00/07; D-5000 KÖLN 90
MET (Hamburg Meteo =) Deutscher Wetterdienst; Fernmeldebetriebsgruppe FMD3C 2; Heinrich-Hertz-Strasse; D-2085 QUICKBORN
MET Deutscher Wetterdienst; Zentralamt; Fernmeldeabteilung; Frankfurter Strasse 135; Postfach 10 04 65; D-6050 OFFENBACH
NAV Marinefernmeldegruppe 21; Radiostation DHJ 59; Admiral-Zimmermann-Kaserne; D-2940 WILHELMSHAVEN
PRS Deutsche Presse-Agentur; Zentrale; Technische Leitung; Mittelweg 38; D-2000 HAMBURG 13
PRS Presse- und Informationsamt der Bundesregierung; Welckerstr. 11; D-5300 BONN 1
TSF Physikalisch-Technische Bundesanstalt; Laboratorium 1.21; Station DCF77; Bundesallee 100; D-3300 BRAUNSCHWEIG
- Deutsche Welle; Hauptabteilung Hochfrequenz; Postfach 10 04 44; D-5000 KÖLN 1

GHANA

GHA / 9G / 65400-65499 / DG / 89J8

AIR Civil Aviation Authority; Director; P. O. Box 87; Kotoka International Airport; ACCRA
ALC Ghana Airways Corporation; Ghana House; P. O. Box 1636; ACCRA
MAR Coastal Station 9GA - Takoradi Radio; The Radio Officer; P.O. Box 8; TAKORADI

GIBRALTAR

GIB / see United Kingdom / 08495-08499 / LX / 76P10

ALC GB Airways; Cloister Building; Market Lane; GIBRALTAR
NAV Joint Communications Centre; Fleet Chief Supervisor; HM Naval Base Gibraltar; B. F. P. O. 52; LONDON; United Kingdom

GREECE

GRC / J4 SV-SZ / 16600-16799 / LG / 82E6

AIR Ministry of Transport and Communications; Civil Aviation Authority; P. O. Box 73751; GR-16604 HELLINIKO
ALC Olympic Airways; 96 Syngrou Avenue; GR-11741 ATHENS
EMB (USE Athens via MFA Washington, USA)
FF US NAVCOMMSTA Nea Makri GR; Commanding Officer; FPO NEW YORK, NY 09525; USA
MAR (Athens R via HTO Athens)
MAR (Iraklion R via HTO Athens)
MAR (Kerkyra R via HTO Athens)

MAR Rhodos Radio SVN; O.T.E. Paraktion Kentron; Radiopikonion Rodoy; GR- RHODOS
PTT Hellenic Telecommunications Organization S.A.; Installation Department; Radio Division; 15 Stadiou Street; GR- ATHENS 124

GREENLAND

GRL / see Denmark / 04100-04399 / BG / 48

MAR (Nuuk R via GTO Nuuk)
NAV Naval Radio Station OVC; Officer-in-Charge; DK-3930 GRONNEDAL
PTT Gronlands Tekniske Organisation; Traffic Department; Chief Supervisor; Telestationen; Postbox 1002; DK-3900 NUUK

GRENADA

GRD / J3 / 78956-78959 / TG / 116P5

AIR Ministry of Works, Communication, Public Utilities, Civil Aviation and Energy; Department of Civil Aviation; P. O. Box 293; ST. GEORGE´S

GUADELOUPE AND DEPENDENCIES

GDL / see France / 78890-78904 / TFFA-TFFC TFFG - TFFS / 116N4

GUAM

GUM / see Mariana Islands / 91212-91217 / PGA-PGF PGT-PGU / 19L1

GUATEMALA

GTM / TD TG / 78600-78649 / MG / 115o10

AIR Direccion General de Aeronautica Civil; Aeropuerto Internacional "La Aurora"; Zona 13; CIUDAD DE GUATEMALA
ALC Aviateca; Avenida Hincapie; Aeropuerto Internacional "La Aurora"; Zona 13; CIUDAD DE GUATEMALA

GUIANA (FRENCH)

GUF / see France / 81400-81599 / SO / 117C2

AIR Ministere des Transports; Direction de l´Aeronautique Civile; Chef de la Maintenance Radioelectrique; Aerodrome de Cayenne-Rochambeau; F-97300 MATOURY
MIL (FA Cayenne via) **Marcel Richer FY7BW; Lotissement Jasmin; Route de Cabassou Villa 1; F-97300 CAYENNE

GUINEA

GUI / 3X / 61800-61849 / GU / 89C6

AIR Ministere des Transports; Direction Generale de l´Aviation Civile; B. P. 95; CONAKRY
ALC Air Guinee; Avenue de la Republique; B. P. 12; CONAKRY
MAR (Conakry R via DGT Conakry)
MAR (Kamsar R via DGT Conakry)
PTT Direction Generale des Telecommunications; CONAKRY

GUINEA-BISSAU

GNB / J5 / 61750-61799 / GG / 89B5

AIR Direccao-Geral da Aviacao; Servico da Aeronautica Civil; C. P. 77; BISSAU
ALC Transportes Aereos da Guine-Bissau; C. P. 111; BISSAU

GUYANA

GUY / 8R / 81000-81199 / SY / 117A1

AIR Ministry of Transport; Civil Aviation Department; Oranapai Towers - Wights Lane; Kingston; P. O. Box 1006; GEORGETOWN

ALC Guyana Airways Corporation; 32 Main Street; P. O. Box 102; GEORGETOWN
MAR (Demerara R via GUYTELCO Georgetown)
PTT Guyana Telecommunication Corporation; P. O. Box 10628; GEORGETOWN

HAITI

HTI / HH 4V / 78400-78449 / MT / 116H5

AIR Secretairerie d´Etat des Travaux Publics, des Transports et des Communications; Office National de l´Aviation Civile - OFNAC; Aeroport International Francois Duvalier; B. P. 1346; PORT-AU-PRINCE

HAWAII

HWA / see United States of America / 91155-91999 91280-91293 91902-91903 / PH / 114

AIR Honolulu Volmet Radio KVM70; Facility Chief; Federal Aviation AdMinistration; Honolulu Flight Service Station; International Airport; HONOLULU, HI 96891
ALC Aloha Airlines Inc.; P. O. Box 30028; HONOLULU, HI 96820
ALC Hawaiian Air; P. O. Box 30008; International Airport; HONOLULU, HI 96820
MET U.S. Department of Commerce; National Oceanic and Atmospheric Administration; National Weather Service Pacific Region; Box 50027; HONOLULU, HI 96850-4993
NAV Naval Western Oceanography Center; Commanding Officer; P. O. Box 113; PEARL HARBOUR, HI 96860-5050
TSF Department of Commerce; National Bureau of Standards; Station WWVH; Engineer-in-Charge; P. O. Box 417; Kekeha; KAUAI, HI 96752

HONDURAS

HND / HQ-HR / 78700-78724 / MH / 105L2

AIR Direccion General de Aeronautica Civil; Departemento de Operaciones; Aeropuerto Internacional Toncontin; Apartado T-245; TEGUCIGALPA, D.C.
ALC Servicio Aereo de Honduras SA; Apartado 129; TEGUCIGALPA, D.C.

HONG KONG

HKG / see United Kingdom / 45000-45010 45030-45040 / VH / 23A10

AIR Civil Aviation Department; Acting Chief; United Centre, 10th Floor; 95 Queensway; HONG KONG
ALC Cathay Pacific Airways Ltd.; Swire House; 9 Connaught Road; Central; HONG KONG
ALC Dragonair; 19/F Wheelock House; 20 Pedder Street; Central; HONG KONG
MAR (Victoria Island R via C+W Victoria Island)
PRS (AFP Victoria Island via AFP Paris, France)
PRS (REUTER Victoria Island via C+W Victoria Island)
PRS (UPI Victoria Island via UPI New York, USA)
PRS (XINHUA Victoria Island via C+W Victoria Island)
PTT Cable and Wireless (Hong Kong) Ltd.; New Mercury House; 22 Fenwick Street, Wanchai; G. P. O. Box 597; CAPE D´AGUILAR

HOWLAND ISLAND

HWL / see United States of America / - / - / 122A3

HUNGARY

HNG / HA HG / 12700-12999 / LH / 81D3

AIR Ministry of Transport; General Directorate of Civil Aviation; Pf. 53; H-1675 BUDAPEST
ALC Malev; Roosevelt ter 2; H-1052 BUDAPEST V
MAR Coastal Station HAR; Budapest Naval Radio; Societe Anonyme des Navigations Hongroises (MAHART); Ministry of Posts and Communications; H- BUDAPEST
PRS Magyar Tavirati Iroda; Fem u. 5-7; H- BUDAPEST 1

PTT Administration Centrale des Postes et Telecommunications de Hongrie; H-1540 BUDAPEST

ICELAND

ISL / TF / 04000-04099 / BI / 50

AIR Directorate of Civil Aviation; P. O. Box 350; IS-121 REYKJAVIK
ALC Eagle Air of Iceland; P. O. Box 8440; IS-108 REYKJAVIK
ALC Icelandair; IS-101 REYKJAVIK
MAR (Reykjavik R via PTT Gufunes)
PTT Gufunes Telecommunications Centre; Station Manager; P. O. Box 270; IS-121 REYKJAVIK

INDIA

IND / AT-AW VT-VW 8T-8Y / 42000-43399 / VA VE VI VO / 27M5

AIR Civil Aviation Department; Aeronautical Communications Station; Controller of Communications; Santacruz International Airport; BOMBAY 400 057
AIR Civil Aviation Department; Calcutta Region; Office of the Regional Director; Assistant Communications Officer; R-463 B New Quarters; Calcutta Airport; CALCUTTA 700 052
AIR Civil Aviation Department; Office of the Regional Director; Aeronautical Communication Station; Director; Delhi Airport; Palam; NEW DELHI 110 010
AIR National Airport Authority; Senior Communications Officer; Madras Airport; MADRAS 27
ALC Air India; Air India Building; Nariman Point; BOMBAY 400 021
ALC Indian Airlines; Airlines House; 113 Gurdwara Rakabganj Road; Parliament Street; NEW DELHI 110 001
MAR Coastal Radio Station VWB; Bombay Telephone District; Chief Radio Operator; BOMBAY
MAR Calcutta Radio; Alipore Observatory; CALCUTTA
MAR P. & T.; Madras Radio VWM; Miruvottiyur; MADRAS 600 019
MET Office of the Director General of Observatories; Telecom Computer Unit; Lodi Road; NEW DELHI 110 003
NAV Naval Communications Centre; Officer-in-charge; Shahid Bhagat Singh Road; BOMBAY 400 001
PRS The Press Trust of India Ltd.; Engineer-in-Charge; 4 Parliament Street; NEW DELHI 110 001
PTT Ministry of Communications; Department of Telecommunications; Sanchar Bhavan; 20 Ashoka Road; NEW DELHI 110 001
TSF National Physical Laboratory; Time and Frequency Division; Assistant Director; Hillside Road; NEW DELHI 110 012

INDONESIA

INS / JZ PK-PO YB-YH 7A-7I 8A-8I / 96000-96299 96500-97999 / WA WI WP WR / 17H13

AIR Direktorat Telekomunikasi, Navigasi Udara dan Listrik; Gedung Operasi Pelabuhan Udara Kemayoran; Sub Directorate of Telecommunication Facilities; Head; Jalan Angkasa 8; Kemayoran; P. O. Box 3109; JAKARTA
ALC Garuda Indonesia; Jalan Juanda 15; JAKARTA
CY Goodwin Timbers Indonesia PT; Jalan Kolonel Sugiono 6 C; MEDAN
CY Sukses Sumatera Timber PT; Jalan Veteran 7091 C-D; PALEMBANG
MAR (Belawan R via Jakarta R)
MAR (Bitung R via Jakarta R)
MAR Jakarta Radio PKX; c/o Departemen Perhubungan; Direktorat Jenderal Perhubungan Laut; Head of Marine Electronics & Telecommunications Division; Medan Merdeka Timur No. 5; JAKARTA
MAR (Jayapura R via Jakarta R)
MAR (Makassar R via Jakarta R)
MAR Stasion Radio Pantai; Palembang Radio PKC; PALEMBANG
MAR (Semarang R via Jakarta R)

MAR Surabaja Radio PKD; Setasiun Radio Perum TEL; Jebel Ketintant I568; SURABAYA
MET Badan Meteorologi dan Geofisika; Departemen Perhubungan; Chief Telecommunication and Instrumentation Division; Jalan Arief Rakhman Hakim 3; P. O. Box 3540; JAKARTA

INTERNATIONAL CIVIL AVIATION ORGANIZATION - / 4Y / - / - / -

IRAN IRN / EP-EQ 9B-9D / 40700-40899 / OI / 32

AIR Civil Aviation Organization; International Affairs and Air Transport; Mehrabad International Airport; P. O. Box 11365-8315; TEHRAN
ALC Iran Air; Iran Air Building; P. O. Box 13185-775; Mehrabad Airport; TEHRAN
EMB Swedish Embassy; P. O. Box 15875-4313; TEHRAN
MAR (Abadan R via PTT Tehran)
PRS Islamic Republic News Agency; Technical Deputy to Managing Director; 873 Vali Asr Avenue; TEHRAN
PTT Ministry of Posts, Telegraph and Telephone; Directorate General of Telecommunications; P. O. Box 11365-931; 16314 TEHRAN

IRAQ IRQ / HN YI / 40600-40699 / OR / 34H5

AIR State Organization of Iraqi Civil Aviation; Al-Fourat Avenue; P. O. Box 6179; Saddam International Airport; BAGHDAD
ALC Iraqi Airways; Saddam International Airport; BAGHDAD
MAR Transmission Engineer; Basrah Control Radio YIR; Iraqi Ports Administration; BASRAH
PRS Iraqi News Agency; Adu Nawwas Street; BAGHDAD

IRELAND IRL / EI-EJ / 03950-03999 / EI / 59

AIR Shannon Airadio; Ballygireen; NEWMARKET-ON-FERGUS, Co. Claire
ALC Aer Lingus PLC; P. O. Box 180; DUBLIN AIRPORT, Co. Dublin
ALC Club Air; 3 Lower Abbey Street; DUBLIN 1
ALC Ryanair Ltd.; Executive Jet Terminal; DUBLIN AIRPORT
MAR Marine Rescue Co-Ordination Centre; Department of Communications; Officer-in-Charge; Wing 5; Terminal Building; SHANNON AIRPORT, Co. Clare
MAR Valentia Radio; Officer in Charge; VALENTIA ISLAND, Co. Kerry

ISRAEL ISR / 4X 4Z / 40150-40199 / LL / 34B6

AIR Israel Airports Authority; P. O. Box 137; IL-70100 BEN GURION INTERNATIONAL AIRPORT
ALC Arkia Israel Airlines Ltd.; P. O. Box 39301; Dov Airport; IL-61392 TEL AVIV
ALC El Al Israel Airlines Ltd.; Director of System Control; P. O. Box 41; IL-70100 BEN GURION INTERNATIONAL AIRPORT
MAR Ministry of Transport; Haifa Radio 4XO; P. O. Box 33993; IL- HAIFA
NAV Haifa Naval Radio 4XZ; Communications Officer; Navy Base; IL- HAIFA

ITALY I / I / 16000-16595 / LI / 77

AIR Aeronautica Militare Italiana; Ispettorato Telecomunicazioni e Assistenzia al Volo; 2. Reparto "Traffico Aereo"; Piazzale degli Archivi 34-36; I-00100 ROME
ALC Alisarda SpA; 193 Corso Umberto; I-07026 OLBIA
ALC Alitalia; Palazzo Alitalia; Piazzale Giulio Pastore; I-00144 ROME
ALC Linee Aeree Nazionali; Capodichino Airport; I-80144 NAPOLI
ALC Unifly Express; Aeroporto Ciampino; I-00040 ROME

MAR Augusta Radio IQA; Via Marina di Ponente; Palazzo Poste; I-96011 AUGUSTA
MAR Amministrazione delle Poste e delle Telecomunicazioni; Ufficio Principale Radio P.T.; Strada Adriatica Sud nr. 76/C; I-70100 BARI
MAR Stazione Costera "Civitavecchia Radio"; Via G. Bruno 11; Palazzo PTT; I-00053 CIVITAVECCHIA
MAR Genova Radio ICB; Ufficio Principale Radio P. T.; Il Direttore; Via Romana della Castagna 23; I-16148 GENOVA-QUARTO
MAR Ufficio Principale Radio P.T.; Centro Radiostazione Transmarittima; Via delle Pianacce 49; Antignano; I-57100 LIVORNO
MAR Direzione Provinziale delle Poste e Telecomunicazioni di Messina; Centro Radio P. T.; I-98100 MESSINA
MAR Societa Italiana Radio Marittimo; Il Direttore del Napoli PT Radio; I- NAPOLI
MAR Ufficio Principale Radio P.T.; I-07046 PORTO TORRES
MAR Amministrazione delle Poste e delle Telecomunicazioni; Ufficio Principale; Roma Radio P. T.; Reparto Radioricivente; Il Direttore Reggente; Via delle Mercede 96; I-00100 ROME
MAR Stazione Radio Costera P. T.; Via Curzi 24; I-63039 SAN BENEDETTO DEL TRONTO
MAR Ufficio Principale Radio P.T.; Il Dirigente; I-91100 TRAPANI
MAR Ufficio Principale Radio PT Trieste; Il Direttore; Via Bellavista 4; I-54100 TRIESTE
MET Aeronautica Militare Italiane; Ispettorato Telecomunicazioni e Assistenzia al Volo; 3. Reparto - Servizio Meteorologico; 3. Centro - Elaborazioni Elettroniche e Telecomunicazioni Meteorologiche; Piazzale degli Archivi 34-36; I-00100 ROME
NAV Radio Marina Militare; Commanding Officer; Via della Storta 701; I-00123 ROME
PRS (ANSA Rome via ITALCABLE Rome)
PRS (IINA Rome via ITALCABLE Rome)
PTT Servizi Cablografici, Radiotelegrafici e Radioelettrici S.p.A.; Via Calabria 46 - 48; I-00187 ROME
TSF Instituto Superiore delle Poste e delle Telecomunicazioni; Uff. 8; Rep. 3.; Viale Europa; I-00100 ROME
TSF Instituto Elettrotecnico Nazionale; Corso Massimo d´Azeglio 42; I-10125 TORINO

IVORY COAST

CTI / TU / 65526-65599 / DI / 89F7

AIR ASECNA; Representation en Cote d´Ivoire; Departement de l´Infrastructure Radioelectrique; B. P. 990; ABIDJAN 15
ALC Air Afrique; B. P. 3927; ABIDJAN 01
MAR (Abidjan R via PTT Abidjan)
PTT Office des Postes et Telecommunications de la Republique de Cote d´Ivoire; Centre Recepteur de Marcory; Le Chef de Centre; ABIDJAN

JAMAICA

JMC / 6Y / 78387-78399 / MK / 116M2

AIR Civil Aviation Department; 9 Trinidad Terrace; P. O. Box 4000; KINGSTON 5
ALC Air Jamaica Ltd.; 72 - 76 Harbour Street; KINGSTON
MAR (Kingston R via JAMINTEL Kingston)
PTT Jamaica International Telecommunications Limited; Supervisor; 15 North Street; P. O. Box 138; KINGSTON

JAPAN

J / JA-JS 7J-7N 8J-8N / 47200-47999 / RJ RO / 20

AIR N.T.I.A.; Aviation Weather Service Center; Liaison Officer; Japan Meteorological Agency; New Tokyo International Airport; 133 Aza Komemge Furigame; NARITA CITY, Chiba Prefecture
ALC All Nippon Airways; 2-5 Kasumigaseki 3-chome; Chiyoda-ku; TOKYO 100
ALC Japan Air Lines; Tokyo Building; 7-3 Marunouchi 2-chome; Chiyoda-ku; TOKYO 100

ALC Japan Air System Co. Ltd.; 4th Floor; 18 Mori Building; 3-13 Toranomon 2-chome; Minato-ku; TOKYO 105
ALC Japan Asia Airways; Yurakucho Denki Building; Minami-ken; 7-1 Yurakucho 1-chome; Chiyoda-ku; TOKYO 100
ALC Southwest Air Lines Co. Ltd.; 3-1 Yamashita-cho; NAHA CITY 900, Okinawa
MAR Choshi Radio; Kobatakeshinmachi 7756; CHOCHI-CITY
MAR (Matsudo F R =) Chuo Gyogyo Radio; Central Fishering Radio JFA; 62 Futawacho; FUNABASHI CITY, Chiba Pref.
MAR Nippon Telegram and Telephone Public Corporation; Coastal Station Nagasaki Radio; 14-1 Hinode-cho; ISAHAYA-CITY 854
MAR Naha Radio; Nippon Telegraph and Telephone Public Corporation; Director; 1-14-1 Sobe; NAHA 900, Okinawa
MAR (Tokyo R via KDD Tokyo)
MET Ministry of Transport; Japan Meteorological Agency; International Telecommunication Division; Forecast Department; 1-3-4 Ote-machi; Chiyoda-ku; TOKYO
NAV (JNA =) Japan Maritime Safety Agency; Chief Communications Officer; 1-3 Kasumigaseki 2-chome; Chiyoda-ku; TOKYO 100
PRS Jiji Tsushin Sha; The Jiji Press; External Traffic Section; Chief; Shisei Kaikan Building; 1-3 Hibiya Koen; Chiyoda-ku; P. O. Box 15; Tokyo International Airport; TOKYO
PRS Kyodo News Service; Head Office; Communication Department; Radio and Cable Section; Supervisor of Verification; 2-2-5, Toranomon; Minato-ku; TOKYO 105
PRS (PL Tokyo via KDD Tokyo)
PTT Kokusai Denshin Denwa Co. Ltd.; KDD Building; 3-2 Nishi-Shinjuku 2-chome; Shinjuku-ku; P. O. Box 1; TOKYO 160
TSF Ministry of Posts and Telecommunications; Radio Research Laboratories; Frequency Standard Division; 4-1-3 Midori-cho; Koganei 184; TOKYO

JARVIS ISLAND JAR / see United States of America / 91901 / PLUR / 122B3

JOHNSTON ISLAND JON / see United States of America / 91275 / PJ / 122K6

JORDAN JOR / JY / 40250-40349 / OJ / 34D7

AIR Amman Airport; AFTN Com Centre; Supervisor; AMMAN
ALC Royal Jordanian; P. O. Box 302; AMMAN
MAR (Aqaba R via PTT Amman)
MET Ministry of Transport; Jordan Meteorological Department; The General Director; Marka; Amman Civil Airport; P. O. Box 341011; AMMAN
PRS PETRA; Jordan News Agency; P. O. Box 6845; AMMAN
PTT Telecommunications Corporation; P. O. Box 1689; AMMAN

KAMPUCHEA KMP / XU / 48960-48999 / VD / 25G6

AIR Ministere des Travaux Publics et des Telecommunications; Direction de l´Aviation Civile; B. P. 86; PHNOM PENH

KENYA KEN / 5Y-5Z / 63612-63820 / HK / 93G5

AIR Office of the Director General of Civil Aviation; P. O. Box 30163; NAIROBI
ALC African Express Airways; P. O. Box 43356; NAIROBI
ALC African Safari Airways Ltd.; Postfach 158; CH-4030 BASEL Flughafen; Switzerland
ALC Kenya Airways Ltd.; P. O. Box 19002; NAIROBI
MAR Mombasa Radio; c/o Kenya External Telecommunications Company Ltd.; Extelcom House; Branch Engineer; Nyerere Avenue; P. O. Box 80160; MOMBASA

MET Ministry of Transport and Communications; Kenya Meteorological Department; Office of the Director of Meteorological Services; Directorate; Dagoretti Corner, Ngong Road; P. O. Box 30259; NAIROBI
UN United Nations Environment Program; Chief Communications Officer; P. O. Box 30552; NAIROBI

KERGUELEN ISLANDS

KER / see France / - / - / 26R16

PTT Le Gerant Postal; PORT-AUX-FRANCAIS

KIRIBATI

KIR / T3 / 91484-91491 91533 91600-91629 / NGA-NGB NGM-NGU PLC-PLF / 9B5

AIR Ministry of Communications; Directorate of Civil Aviation; Secretary of Communications; P. O. Box 487; BETIO, Tarawa Atoll
MAR (Takaronga R via PTT Betio)
PTT Ministry of Communications; P. O. Box 487; BETIO, Tarawa Atoll

KOREA (DEMOCRATIC PEOPLE´S REPUBLIC OF)

KRE / HM P5-P9 / 47000-47079 / ZK / 21D7

AIR Civil Aviation Administration; Directorate General; Sunan District; PYONGYANG
ALC Chosonminhang; Sunan District; PYONGYANG
PRS (KCNA Pyongyang via PTT Pyongyang)
PTT Ministry of Posts and Telecommunications; Department of International Relations; Korean Central Wireless Station; PYONGYANG

KOREA (REPUBLIC OF)

KOR / DS-DT D7-D9 HL 6K-6N / 47080-47199 / RK / 21E9

AIR Ministry of Transportation; Civil Aviation Bureau; Kimpo International Airport; SOUL 150-01
ALC Korean Air; KAL Building; Namdaemun-Ro 118, 2-ga; Chung-gu; C. P. O. Box 864; SOUL
MAR Pusan Radio; c/o ** Chung Hae Young; Sen-gu Sendaesin-Dong; 3 Ka 172 13-1; PUSAN
MET Ministry of Science and Technology; Korean Meteorological Service; Technical Development Department; 1 Songwol-Dong; Chongno-Gu; SOUL 110
PRS Yonhap News Agency; Director of Transmissions; 98-5 Uni-Dong; Chongro-Ku; P. O. Box 1039; SOUL
TSF Korea Standards Research Institute; Time and Electromagnetics Standards Laboratory; Taedok Science Town; P. O. Box 3; TAEJON

KUWAIT

KWT / 9K / 40550-40599 / OK / 34P9

AIR Directorate General of Civil Aviation; Kuwait International Airport; P.O. Box 17; SAFAT
ALC Kuwait Airways Corporation; P. O. Box 394; 13004 SAFAT
MAR (Safat R via PTT Safat)
PRS Kuwait News Agency; Technical Department; Chief Maintenance; Al Nakib Building; Fahad al Salem Street; P. O. Box 24063; SAFAT
PTT Ministry of Communications; Chief Radio Engineer; SAFAT

LAOS

LAO / XW / 48921-48959 / VL / 25G3

AIR Ministere de la Defense Nationale; Direction de l´Aviation Civile; 2 Chemin Pang Kham; B. P. 119; VIENTIANE

LEBANON

LBN / OD / 40100-40149 / OL / 34C4

AIR Telecommunications Services; Chief; Beirut International Airport; BEIRUT
ALC Middle East Airlines; B. P. 206; BEIRUT
MAR (Beirut R via OGERO Beirut)
PTT Organisme de Gestion et d´Exploitation des installations et des equipements de l´ex-Societe Radio Orient; Ingenieur du Centre de Emission; B. P. 86; BEIRUT

LESOTHO

LSO / 7P / 68454 / FX / 95L5

AIR Department of Civil Aviation; P. O. Box 629; MASERU 100
ALC Lesotho Airways Corporation; P. O. Box 861; MASERU 100

LIBERIA

LBR / A8 D5 EL 5L-5M 6Z / 65600-65699 / GL / 89D8

AIR Roberts International Airport; Telecommunications Department; P. O. Box 1; MONROVIA

LIBYA

LBY / 5A / 62000-62299 / HL / 85B6

AIR Department of Civil Aviation; Director of Technical Services; Tripoli International Airport; TRIPOLI
ALC Libyan Arab Airlines; P. O. Box 2555; TRIPOLI
MAR Benghazi Radio 5AB; Maritime Radiotelegraph Station; Telecommunications Department; P. O. Box 9464; BENGHAZI
MAR Tobruk Coast Station; Radio Officer; P. O. Box 44; TOBRUK
PRS Jamahiriyah News Agency; Technical Department; P. O. Box 2303; TRIPOLI

LIECHTENSTEIN

LIE / see Switzerland / 06990 / LSXB / 66P3

LUXEMBOURG

LUX / LX / 06580-06599 / EL / 61o7

AIR Ministere des Transports; Service Aeronautique; 19-21 Boulevard Royal; L-2910 LUXEMBOURG
ALC Lionair; Aeroport; B. P. 591; L-1110 LUXEMBOURG
ALC Luxair; Aeroport; B. P. 2203; L-2987 LUXEMBOURG

MACAO

MAC / see Portugal / 45011-45020 / VM / 23F7

MAR (Macao R via DSCT Macao)
PTT Direccao dos Servicos de Correios e Telecomunicacoes; Largo do Senado; MACAO

MADAGASCAR

MDG / 5R-5S 6X / 67009-67199 / FMM-FMS / 95A2

AIR ASECNA; Representation de Madagascar; Service Meteorologique; Ingenieur en Chef de la Navigation Aerienne; B. P. 46; ANTANANARIVO
ALC Air Madagascar; 31 Avenue de l´Independance; B. P. 437; ANTANANARIVO
MET Ministere des Transports, de la Meteorologie et du Tourisme; Direction de la Meteorologie Malgache; B. P. 1254; ANTANANARIVO

MADEIRA

MDR / see Portugal / 08521-08524 / see Portugal / 96o6

MAR (Funchal R via CPRM Funchal)

NAV Estacao Radionaval; Director; P-9400 PORTO SANTO
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MALAWI MWI / 7Q / 67421-67797 / FW / 92F7

AIR Chief Civil Aviation Officer; Private Bag 322; LILONGWE 3

MALAYSIA MLA / 9M 9W / 48600-48679 96400-96499 / WBB WBF-WBK WM / 18

AIR Department of Civil Aviation; Aeronautical Mobile Service; Operations Manager; KL International Airport; 47200 SUBANG
ALC Malaysia Airlines; Jalan Sultan Ismail; 33rd Floor; Bangunan MAS; 50250 KUALA LUMPUR
MAR (Kuching R via STM Kuching)
MAR Stesen Pantai (Penerimaan); Jabatan Telekom; Kuala Muda; 13110 PENANG
MET Ministry of Science, Technology & Environment; Malaysian Meteorological Service; Forecasting Services Department; Jalan Sultan; PETALIN JAYA
NAV Royal Malaysian Navy; Radio Station 9MB; Communications Officer; 32100 LUMUT
PTT Syarikat Telekom Malaysia Berhad; Jalan Simpang Tiga; 93672 KUCHING, Sarawak

MALDIVES MLD / 8Q / 43500-43599 / VR / 27L9

AIR Civil Aviation Authority; Dhoshimeynaa Building; Ameer Ahmed Magu; MALE 20-05

MALI MLI / TZ / 61200-61399 / GA / 89G4

AIR Representation de l´ASECNA; B. P. 36; BAMAKO
ALC Air Mali; B. P. 27; BAMAKO

MALTA MLT / 9H / 16596-16599 / LM / 83Y19

AIR Telecommunications Officer; Air Traffic Control Center; Department of Civil Aviation; Civil Airport Building; LUQA
ALC Air Malta; LUQA

MARIANA ISLANDS MRA / see United States of America / 91218-91232 / PGR-PGS / 17o8

ALC Air Micronesia Inc.; P. O. Box 298; SAIPAN 96950
CG USCG Radio Station; Commanding Officer; Box 149 NCWP; FPO SAN FRANCISCO, CA 96630-1843; USA
NAV US Naval Oceanography Command Center; Joint Typhoon Warning Center; Commanding Officer; COMNAVMARIANAS Box 12; FPO SAN FRANCISCO, CA 96630-2926; USA

MARION ISLAND MRN / see South Africa (Republic of) / 68994 / FAME / 26A14

MARSHALL ISLANDS MRL / V7 / 91250-91258 91364-91378 / PK / 9A2

MARTINIQUE MRT / see France / 78915-78929 / TFFD-TFFF / 116L4

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MAR (Fort de France R via DTRE Fort de France)

NAV (FF Fort de France via FN Paris, France)
PTT Centre Radioelectrique; Le Chef de Centre Exploitation; B. P. 604; F-97621 FORT DE FRANCE

MAURITANIA MTN / 5T / 61400-61599 / GQ / 89B1

AIR ASECNA; Chef Station 5TX/GQPPYF; B. P. 6; Aerodrome; NOUADHIBOU
AIR ASECNA; Representation au Mauritanie; B. P. 205; NOUAKCHOTT
MAR Compagnie Radio Maritime; B. P. 50; NOUADHIBOU

MAURITIUS MAU / 3B / 61974-61995 / FIMM FIMP / 26T11

AIR Department of Civil Aviation; Principal Engineer; Plaisance International Airport; PLAINE MAGNIEN
ALC Air Mauritius Ltd.; Rogers House; 5 President John Kennedy Street; PORT LOUIS
MAR Telecommunications Authority; Ex-Telecommunications Headquarters Building; Edith Cavell Street; PORT LOUIS
MET Prime Minister´s Office; External Communications; Meteorological Department Headquarters; Bigara Meteorological Station; The Observatory; Route Saint Paul; VACOAS

MAYOTTE ISLAND MYT / see France / 67005 / FMCZ / 95B2

MEXICO MEX / XA-XI 4A-4C 6D-6J / 76000-76999 / MM / 115

AIR SENEAM; Jefe del Departemento de Radio; Calle 49 No. 560 y 78 y 80; MERIDA
AIR Oficina de Servicios de Informacion Aeronautica; Departemento de Operaciones; Nueva Torre de Control; Bulevar Puerto Aereo 485; Delegacion Venustiano Carranza 15500; MEXICO CITY, D.F.
ALC Aerocalifornia; Hidalgo 316; Apartado 555; 23000 LA PAZ
ALC Aeromexico; Paseo de la Reforma 445; 06500 MEXICO CITY, D.F.
ALC Mexicana; Apartado 12813; 03600 MEXICO CITY, D.F.
MAR (Cozumel R via DGT Mexico City)
MAR Estacion Costera XFM; Jefe; Apartado 293; MANZANILLO, Col.
PTT Direccion General de Telecomunicaciones; Direccion de Operacion Central; Departemento de Comunicaciones Radioelectricas; Oficina de Operaciones de Estaciones Fijas; Lazaro Cardenas 567; 03023 MEXICO CITY, D.F.

MICRONESIA MIC / V6 / 91203 91317-91356 91408-91434 / PT / 17N10

AIR National Air Weather Service Office; POHNPEI

MIDWAY ISLAND MDW / see United States of America / 91066 / PM / 122V2

MONACO MCO / 3A / - / LN / 71L9

MAR (Monte Carlo R via OMT Monte Carlo)
PTT Office Monegasque des Telephones; 21 Avenue de la Costa; MC-98000 MONTE CARLO

MONGOLIA MNG / JT-JV / 44200-44399 / - / 22

ALC Air Mongol - Miat; Buyant-Ukha Airport; ULAN BATOR

MONTSERRAT
MSR / see United Kingdom / - / TR / 116N6

MOROCCO
MRC / CN 5C-5G / 60100-60349 / GM GS / 88H7

AIR C.N.C.S.A.; B. P. 5239; CASABLANCA-Maarif
AIR Ministere des Transports; Avenue Ma-El-Aynayne; B. P. 759; AGDAL-RABAT
ALC Royal Air Maroc; Aeroport Anfa; CASABLANCA
MAR Centre Radioelectrique de Casablanca-Radio CNP; Le Chef du Centre Radiotelegrafique; CASABLANCA-BOURGOGNE
MAR (Tanger R via ONPT Rabat)
PRS Maghreb Arabe Presse; Le Chef d´Exploitation; Rue Ibn Aicha; B. P. 1049 RP; RABAT
PRS Voice of America; Director; P. O. Box 162; TANGER
PTT Office National des Postes et Telecommunications; Direction des Telecommunications; Le Chef du Service des Transmissions; 6 Rue Oqbah (Agdal); RABAT

MOZAMBIQUE
MOZ / C8-C9 / 67200-67399 / FQ / 84H8

AIR Secretaria de Estado da Aeronautica Civil; Divisao de Intercambio Aeronautico; Alameda do Aeroporto; C. P. 227; MAPUTO
ALC Linhas Aereas de Mocambique; C. P. 2060; MAPUTO
MAR (Maputo R via PTT Maputo)
MAR (Mocambique R via PTT Maputo)
PTT Telecomunicacoes de Mocambique; C. P. 25; MAPUTO

MYANMAR
MYA / XY-XZ / 48000-48299 / VB / 25

AIR Department of Civil Aviation; Mingaladon Airport; YANGON
MAR (Yangon R via PTT Yangon)
PTT Posts and Telecommunication Corporation; 43 Boaunggyaw Street; YANGON

NAMIBIA
NMB / see South Africa (Republic of) / 68006-68312 / see South Africa (Republic of) / 94C4

NAURU
NRU / C2 / 91530 / AN / 9A8

AIR Department of Civil Aviation; Flight Service Officer; P. O. Box 282; NAURU
ALC Air Nauru; International Airport; NAURU

NEPAL
NPL / 9N / 44400-44499 / VN / 29H3

AIR Ministry of Tourism; Department of Civil Aviation; Engineering Section; Sinamangal; KATHMANDU
ALC Royal Nepal Airlines; RNAC Building; Kanti Path; KATHMANDU

NETHERLANDS
NLD / PA-PI / 06200-06399 / EH / 60

AIR (Amsterdam Air via) Rijksluchtvaartdienst; Albert-Plesman-Weg 1-6; NL- DEN HAAG
ALC Air Holland, NV; Postbus 75116; NL-1117 ZR SCHIPHOL EAST
ALC KLM-Hoofkantoor; Telecommunications Department; Amsterdamse Weg 55; NL-1182 GP AMSTELVEEN
ALC Martinair Holland NV; Postbus 7507; NL-1118 ZG SCHIPHOL
ALC Transavia Airlines; Postbus 7777; NL-1118 ZM SCHIPHOL
MAR Inspectie Kust- en Scheepsradio; Scheveningsweg 6; NL- ´S- GRAVENHAGE

MFA Ministry of Foreign Affairs; Postbus 20061; NL-2500 EB DEN HAAG
NAV (DN Goeree Island =) Officer in Charge; Netherlands Naval Station; Noraweg 20; NL-2210 AB NORDWIJKERSHOUT

NETHERLANDS ANTILLES ATN / PJ / 78985-78994 / TN / 116K8

AIR Curacao Airadio; Chief Radio Officer; Curacao Airport; WILLEMSTAD, Curacao
ALC Antilliaanse Luchtvaart Maatschappij; Aeropuerto Hato; WILLEMSTAD, Curacao
MAR (Willemstad R via LTT Willemstad)
PTT Lands Radio en Telegraafdienst; Telecommunications Administration; Head Office; Schouwburgweg 22; P. O. Box 103; WILLEMSTAD, Curacao

NEW CALEDONIA AND DEPENDENCIES NCL / see France / 78825 91570-91599 / NW / 9B13

AIR Direction de l´Aviation Civile; B. P. H1; NOUMEA Cedex
ALC Air Caledonie International; 8 Rue Frederic-Surleau; B. P. 3736; NOUMEA
MAR Noumea Radio; B. P. 224; NOUMEA
NAV Commandement de la Marine Nationale; Service "Transmissions"; Officier des Telecommunications; NOUMEA

NEW ZEALAND NZL / ZK-ZM / 91997 93000-93999 / NZ / 11

AIR Ministry of Transport; Civil Aviation Division; Station Communications Officer; P. O. Box 53008; International Airport; AUCKLAND
ALC Air New Zealand Ltd.; Air New Zealand House; 1 Queen Street; Private Bag; AUCKLAND 1
ALC Ansett New Zealand; International Airport; CHRISTCHURCH
MAR Awarua Radio ZLB; Acting Manager; Private Bag; INVERCARGILL
MAR Waitangi Radio ZLC; Acting Manager; WAITANGI, Chatham Islands
MET Ministry of Transport; New Zealand Meteorological Service; Auckland Weather Centre; Electronic Maintenance Unit Northern Region; Senior Technical Officer; 30 Ponsonby Road; Newton; P. O. Box 68-429; AUCKLAND 1

NICARAGUA NCG / HT H6-H7 YN / 78725-78749 / MN / 115L3

AIR Ministerio de Transporte; Director General de Aereonautica Civil; Plaza Espana, Edificio 17; Apartado 4936; MANAGUA J.R.
ALC Aeronica; Apartado 3688; MANAGUA

NIGER NGR / 5U / 61000-61199 / DR / 90C3

AIR Representation de l´ASECNA; B. P. 1096; NIAMEY-AEROPORT

NIGERIA NIG / 5N-5O / 65000-65299 / DN / 90C7

AIR Kano Airadio; Aviation Division; Kano Airport; KANO
AIR (Lagos Air =) Federal Ministry of Transport and Aviation; Civil Aviation Department; Signal Section; Principal Technical Officer; Murtala Muhammed Airport; Private Mail Bag 1038; IKEJA
ALC Kabo Air; P. O. Box 1850; KANO
ALC Nigerian Airways Ltd.; P. O. Box 1024; Ikeja; LAGOS
ALC Okada Air Ltd.; 20 - 22 Igamu Industrial Estate; P. O. Box 2212; LAGOS
MAR (Lagos R via NITEL Lagos)
MET Federal Ministry of Aviation; Meteorological Department; Telecommunications Division; Private Mail Bag 12542; LAGOS

PTT Nigerian Telecommunications Ltd.; QSL Manager; NECOM House 15; Marina P. O. Box 173; Private Mail Bag 12742; LAGOS

NIUE ISLAND

NIU / see New Zealand / 91822-91823 / NI / 10T5

AIR Ministry of Transport; Civil Aviation Division; Aerodrome Superintendent; Hanan International Airport; P. O. Box 83; NIUE

NORFOLK ISLAND

NFK / see Australia / 94996 / ASNF / 10V10

NORWAY

NOR / JW-JX LA-LN 3Y / 01000-01499 / EN / 49G4

AIR Civil Aviation Administration; Postboks 8124 Dep.; N-0032 OSLO 1
ALC Braathens SAFE; Postboks 55; N-1330 OSLO LUFTHAFN
ALC Busy Bee of Norway, A/S; P. O. Box 115; N-1331 OSLO AIRPORT
ALC Norway Airlines; P. O. Box 250; N-4056 TANANGER
MAR Alesund Radio; Postboks 279; N-6001 ALESUND
MAR Bjoernoeya Radio; N-9176 BJOERNOEYA
MAR Bodoe Radio; Postboks 373; N-8001 BODOE
MAR Floroe Radio; Markegata 42; N-6900 FLOROE
MAR Hammerfest Radio; Chief Director; Postboks 185; N-9601 HAMMERFEST
MAR Rogaland Radio; Postboks 367; N-4310 GANDDAL
MET (SAM Barentsburg, Spitsbergen via AARI Leningrad, USSR)

OMAN

OMA / A4 / 41240-41319 / OO / 33L7

AIR Ministry of Communication; Directorate General of Civil Aviation; Radio Section; P. O. Box 204; MUSCAT
ALC Gulf Air; P. O. Box 138; MANAMA
MAR (Muscat R via GENTEL Muscat)
PTT General Telecommunication Organization; Transmission Department; Manager Transmission; P. O. Box 3789; Ruwi; MUSCAT

PAKISTAN

PAK / AP-AS 6P-6S / 41500-41849 / OP / 31C6

AIR Civil Aviation Authority; Senior Communications Officer; B-1; International Airport; KARACHI 11
ALC Pakistan International Airlines; PIA Building; International Airport; KARACHI
MET Ministry of Defence; Aviation Division; Pakistan Meteorological Department; Forecasting and Climatology Division; Meteorological Complex; University Road; P. O. Box 8454; KARACHI 32
NAV (PN Karachi =) Naval Headquarters; Directorate of Signals; Natal Staff Branch; ISLAMABAD
PTT Pakistan Telegraph and Telephone; Directorate General; Chief Engineer (O/S); KARACHI
UN UNO; P. O. Box 68; RAWALPINDI

PALMYRA ISLAND

PLM / see Kiribati / 91385 / PLPA / 122U7

PANAMA

PNR / HO-HP H3 H8-H9 3E-3F / 78775-78824 / MP / 115o5

AIR Direccion de Aeronautica Civil; Edificio de Diego 98, 1er Piso; Calle 40 y Avenida Balboa; Apartados 7501 y 7615; PANAMA CITY 5
ALC Air Panama International SA; Apartado 8612; PANAMA CITY 5
ALC Compania Panamena de Aviacion, SA; Apartado 1572; PANAMA CITY 1

FF (USAF Albrook AFB, Balboa =) Headquarters 1978 Communications Group (AFCC); Radio Operations Branch; APO MIAMI, FL 34001; USA
FF Department of the Navy; Area Master Station Atlantic Detachment; Inter-American Naval Telecommunications Network; Station NBA; Officer-in-charge; Drawer 5016; FPO MIAMI, FL 34061-1400; USA
MAR Panama Intelmar Radio; Radio Manager; Apartado 2009; BALBOA

PAPUA NEW GUINEA

PNG / P2 / 94000-94099 / AY / 15J6

AIR Department of Transport and Civil Aviation; Division of Civil Aviation; P. O. Box 457; KONEDOBU
ALC Air Niugini; P. O. Box 7186; BOROKO
MAR Post and Telecommunication Corporation; Coast Radio Station Port Moresby Radio; Manager; P. O. Box 1378; BOROKO
MAR (Rabaul R via PTC Boroko)
PTT Post and Telecommunication Corporation; P. O. Box 6352; BOROKO

PARAGUAY

PRG / ZP / 86000-86299 / SG / 118A8

AIR Ministerio de Defensa Nacional; Direccion General de Aeronautica Civil; Piso 2; Avenida Mariscal Lopez y Vice-Presidente Sanchez; ASUNCION
ALC Lineas Aereas Paraguayas; Oliva 455; ASUNCION
MAR (Asuncion R via ANTELCO Asuncion)
PTT Administracion Nacional de Telecomunicaciones; Casilla 2042; ASUNCION

PERU

PRU / OA-OC 4T / 84300-84799 / SP / 117G2

AIR Corporacion Peruana de Aeropuertos y Aviacion Comercial; Apartado 680; LIMA 100
ALC Aero Peru; Avenida Jose Pardo 601; LIMA 18
ALC Faucett Peru; Apartado 1429; LIMA 100
NAV Marina de Guerra del Peru; Direccion de Comunicaciones; Departemento de Comunicaciones Maritimas; Jefe; Avenida La Marina Cuadra 36; CALLAO 4

PHILIPPINES

PHL / DU-DZ 4D-4I / 98000-98999 / RP / 19L4

AIR Civil Aeronautical Administration; Manila International Airport 3101; MANILA
ALC Philippines; P. O. Box 954; MANILA
MAR (DZF =) Bacoor Radio; Manager; 408-F Real Street; Pulang-Lupa; Las Pinas; METRO MANILA
MAR (Mandaluyong R DZE =) Global Communications Philippines; Manager; 283 Shaw Boulevard; Mandaluyong; METRO MANILA
MAR Maritime Communications Inc.; Manager; Atlanta Corner 13th Street; Port Area; P. O. Box 4067; MANILA
PRS USIA; Voice of America; Philippines Relay Station; Transmitter Plant Supervisor; APO SAN FRANCISCO, CA 96277-5000; USA

PHOENIX ISLANDS

PHX / see Kiribati / 91700-91719 / PB-PC / 122K8

PITCAIRN ISLAND

PTC / see United Kingdom / 91960 / - / 122U11

POLAND

POL / HF SN-SR 3Z / 12000-12699 / EP / 62K4

AIR Air Traffic and Airports Administration; Al. Zwrki i Wigury 1A; P. O. Box 3; PL-00906 WARSAW 19

ALC LOT; Ul. 17 Stycznia 39; PL-00906 WARSAW
MAR (Gdynia R via PTT Warsaw)
MAR (Szczecin R via PTT Warsaw)
MET (Warsaw Meteo via PTT Warsaw)
PRS (PAP Warsaw via PTT Warsaw)
PTT Dyrekcja Generalna PTT; Departement Sluzby Telekomunikacynej; Pl. Stanislawa Malachowskiego 2; PL-00940 WARSAW

POLYNESIA (FRENCH)

OCE / see France / 78825-78845 91920-91959 / NT / 122M10

AIR Direction du Service d´Etat de l´Aviation Civile en Polynesie Francaise; B.P. 6011; Aeroport Faaa; PAPEETE

PORTUGAL

POR / CQ-CU XX / 08525-08599 / LP / 75

AIR Aeroportos e Navegacao Aerea E.P.; Direccao Geral de Navegacao Aerea; Arruamento C, Edificio 12; Aeroporto de Lisboa; P-1700 LISBON
ALC Air Atlantis SARL; Aeroporto do Lisboa; C. P. 5194; P-1704 LISBON Codex
ALC TAP; Edificio 25; Aeroporto do Lisboa; P-1704 LISBON Codex
MAR (Lisbon R via CPRM Lisbon)
MET Instituto Nacional de Meteorologia e Geofisica; Rua C - Aeroporto de Lisboa; P-1700 LISBON
NAV (PN Lisbon =) Ministerio da Marinha; Estacao Radionaval "Comandante Nunes Ribeiro"; Central Receptora de Alges; P- LINDA-A-VELHA
PTT Companhia Portuguesa Radio Marconi; O Director Tecnico; 125 Avenida Duque de Loule; Apartado 2778; P-1119 LISBON Codex

PRINCE EDWARD ISLAND

PEI / see South Africa (Republic of) / - / - / 26B13

PUERTO RICO

PTR / see United States of America / 78514-78535 / TJ / 105J7

AIR San Juan Airport Radio WWA3; Aeronautical Radio Inc.; Chief of Center Operations; International Airport; SAN JUAN, PR 00913-6648
MAR (Loiza R via AAC+R San Juan)
MAR (LUSAN Ponce Playa R via AAC+R San Juan)
PTT All America Cables and Radio Inc.; P. O. Box S-3746; SAN JUAN, PR 00904

QATAR

QAT / A7 / 41160-41179 / OT / 33J4

AIR Civil Aviation Department; P. O. Box 3000; DOHA
MAR (Doha R via QPTC Doha)
PTT Qatar Public Telecommunication Corporation; Director of Telecommunications; P. O. Box 217; DOHA

REUNION AND DEPENDENCIES

REU / see France / 61968-61984 / FME / 26V14

AIR Service de l´Aviation Civile; F-97489 SAINT DENIS - Cedex
MAR (Saint Denis R via DTRE Saint Denis)
NAV (FF Saint Denis via FN Paris, France)
PTT Centre Radioelectrique de la Reunion; Le Chef de Centre; B. P. 318; F-97400 SAINT DENIS

RODRIGUES

ROD / see Mauritius / 61988 / FIMR / 26B12

ROMANIA ROU / YO-YR / 15000-15499 / LR / 81G5

AIR Departementul Aviatiei Civile; Aeroportul Bucuresti/Otopeni; R- BUCHAREST
ALC TAROM; Otopeni Airport; R- BUCHAREST
MAR Constanta Radio; Directia Navigatiei Maritime; "NAVRO M"; R- CONSTANTA
MET Ministere de l´Agriculture et de la Sylviculture; Institut de Meteorologie et d´ Hydrologie; Service des Transmissions; Sos. Bucuresti-Ploiesti 97; R-BUCHAREST 18
PRS Agentia Romina de Presa; Piata Sceinteii 1; R- BUCHAREST
PTT Ministere des Transports et Telecommunications; Office des Relations Internationales; Boulevardul Dinicu Goldescu 38; R-77113 BUCHAREST

RWANDA RRW / 9X / 64380-64389 / HR / 93A8

AIR Ministere des Postes et des Communications; Direction Generale de l´Aeronautique; Le Chef des Services Techniques; B. P. 720; KIGALI

SAINT HELENA SHN / see United Kingdom / 61901 / FH / 96B14

MAR (Jamestown R via C+W Jamestown)
MET (Jamestown Meteo via Bracknell Meteo, United Kingdom)
PTT Cable and Wireless PLC; "The Briars"; JAMESTOWN

SAINT KITTS AND NEVIS SCN / V4 / 78850-78859 / TK / 116o3

AIR Ministry of Communications and Works; P. O. Box 186; BASSETERRE

SAINT LUCIA LCA / J6 / 78945-78949 / TL / 116o8

AIR Civil Aviation Department; P. O. Box 651; Vigie Airport; CASTRIES
ALC Saint Lucia Airways Ltd.; P. O. Box 53; CASTRIES

SAINT-PIERRE AND MIQUELON SPM / see France / 71804 / LFV / 98P7

AIR Service de l´Aviation Civile; Boulevard de Port-en-Bessin; B.P. 4265; F-97500 SAINT-PIERRE
MAR (Saint-Pierre R via DTRE Saint-Pierre)
PTT Centre des Telecommunications; B. P. 4241; F-97500 SAINT-PIERRE

SAINT VINCENT AND THE GRENADINES VCT / J8 / 78950-78953 / TV / 116o8

SAMOA (AMERICAN) SMA / see United States of America / 91765 / NST / 122D1

MAR Government of American Samoa; Direction of Communications; Coastal Station Pago Pago Radio KUQ; PAGO PAGO 96799

SAMOA (WESTERN) SMO / 5W / 91759-91762 / NSA-NSM / 122A2

AIR Prime Minister´s Department; Western Samoa Airport Authority; Chief Air Traffic Controller; Private Bag; Faleolo International Airport; APIA
MAR (Apia R via GPO Apia)
PTT Posts and Telecommunications Department; General Post Office; APIA

SAN MARINO

SMR / T7 / - / - / 78M7

SAO TOME AND PRINCIPE

STP / S9 / 61931-61934 / FP / 91A12

AIR Direccao da Aviacao Civil; C. P. 97; SAO TOME
MAR (Sao Tome R via ENATEL Sao Tome)
PTT Empresa Nacional de Telecomunicacoes; C. P. 141; SAO TOME

SAUDI ARABIA

ARS / HZ 7Z 8Z / 40350-40549 41000-41149 / OE / 33

AIR Air Traffic Services Directorate; P. O. Box 929; JEDDAH 21421
ALC Saudi Arabian Airlines; P. O. Box 620; JEDDAH
MAR (ARAMCO Ras Tanura R =) Arabian American Oil Company; Supervisor Radio and Marine Operations; Communications Department; Building 840; P. O. Box 96; DHAHRAN
MAR GENTEC; Haji Abdullah Alireza & Co. Ltd.; General Technical Division; Coast Radio Station; Station Manager; P. O. Box 8; DAMMAM 31411
MAR Jeddah Radio; Station Manager; P. O. Box 1531; JEDDAH 21411
MET Ministry of Defense and Aviation; Meteorological and Environmental Protection Administration; Director of Telecommunications; P. O. Box 1358; JEDDAH 21431

SENEGAL

SEN / 6V-6W / 61600-61699 / GO / 89B4

AIR Representation de l´ASECNA; B. P. 8131; DAKAR-YOFF
FF Le Chef des Stations Interarmees des Transmissions de Yeumbeul et Rufisque; B. P. 3024; DAKAR
MAR Office des Postes et Telecommunications du Senegal; Exploitation des Postes et Telecommunications du Senegal; Station Radiomaritime Dakar-Radio; B. P. 5; THIAROYE par Dakar
MET Ministere de l´Equipement; Direction de la Meteorologie Nationale; Section des Transmissions; B. P. 8257; DAKAR-YOFF
PRS Agence Panafricaine d´Information; Service Technique; B. P. 4056; DAKAR

SEYCHELLES

SEY / S7 / 63980-63999 / FS / 26R11

AIR President´s Office; Department of Finance; Directorate of Civil Aviation; International Airport; P. O. Box 181; VICTORIA, Mahe
ALC Air Seychelles; P. O. Box 386; VICTORIA, Mahe
MAR (Victoria R via C+W Victoria)
PTT Cable and Wireless PLC; Francis Rachel Street; P. O. Box 4; VICTORIA, Mahe

SIERRA LEONE

SRL / 9L / 61850-61899 / GF / 89C7

AIR Ministry of Transport and Communications; The Director of Civil Aviation; Ministerial Office Block; George Street; FREETOWN
MAR (Freetown R via SLECOM Freetown)
PTT Sierra Leone External Telecommunications Ltd.; P. O. Box 80; FREETOWN

SINGAPORE

SNG / S6 9V / 48680-48799 / WS / 18J3

AIR Civil Aviation Authority of Singapore; Director General of Civil Aviation; Frequency Management Engineer; P. O. Box 1; Changi International Airport; SINGAPORE 9181
ALC Singapore Airlines Ltd.; Airmail Transit Centre; P.O. Box 501; SINGAPORE 9181
MAR (Singapore R via TAS Singapore)
PRS (ANSA Singapore via TAS Singapore)

PRS	(JIJI Singapore via JIJI Tokyo, Japan)
PRS	(KYODO Singapore via KYODO Tokyo, Japan)
PRS	(NAM Singapore via TAS Singapore)
PTT	Telecommunications Authority of Singapore; Regulations & Licensing Department; Frequency Management; Comcentre 2nd floor; 31 Exeter Road; SINGAPORE 0923

SOLOMON ISLANDS

SLM / H4 / 91500-91529 / AG / 15K2

AIR	Ministry of Posts and Communications; Civil Aviation Division; Honiara/Henderson Airport Manager; G.P.O.; HONIARA
MAR	(Honiara R via SOLTEL Honiara)
PTT	Solomon Islands International Telecommunications Ltd;; P. O. Box 148; HONIARA

SOMALIA

SOM / T5 60 / 63150-63299 / HC / 87J9

AIR	Department of Civil Aviation; P. O. Box 310; MUQDISHO
ALC	Somali Airlines S.p.A.; Via Medina; P. O. Box 726; MUQDISHO

SOUTH AFRICA (REPUBLIC OF)

AFS / ZR-ZU / 68000-68938 / FA / 94F6

AIR	Forecast Office; Department van Vervoer; Department of Transport; Weerkantoor; JAN SMUTS AIRPORT 1627
ALC	Safair Freighters; P. O. Box 938; KEMPTON PARK 1620
ALC	South African Airways; Springbok Airadio; Flight Operations Control; Assistant Deputy Manager; New Flight Building; Room 500; JAN SMUTS AIRPORT 1627
MAR	Cape Town Radio ZSC; Chiefsuperintendent; Private Bag; MILNERTON 7435
MAR	Durban Radio; 79 Haygarth Road; KLOOF 3600
MET	Department of Environment Affairs; Chief Director; The Weather Bureau; 159 Struben Street; Private Bag X097; PRETORIA 0001
NAV	Cape Naval Radio ZRH; Private Bag; WYNBERG 7824
TSF	National Physical Research Laboratory; Precise Physical Measurements Division; P. O. Box 395; PRETORIA 0001

SPAIN

E / AM-AO EA-EH / 08000-08494 60320 60338 / GE LE / 73

AIR	Direccion General de Aviacion Civil; Jefe de Telecomunicaciones; Avenida de America 25-8a. planta; E-28002 MADRID
ALC	Air Europa; Aeropuerto Son San Juan; Terminal B; E-07000 PALMA DE MALLORCA
ALC	Air Sur; Avenida General 3; Ptal 2; Barajas; E-28042 MADRID
ALC	Andalusair; Avenida Palma de Mallorca 340; 2nd Floor right; E- TORREMOLINOS
ALC	Aviaco; Maudes 51; Edificio Minister; E-28003 MADRID
ALC	Hispania Lineas Aereas; Calle Bonaire 9 1; E-07012 PALMA DE MALLORCA
ALC	Iberia; 130 Calle Velazquez; E-28006 MADRID
ALC	LTE International Airways, SA; Gran Via Asima 4; E-07009 PALMA DE MALLORCA
ALC	Spanair; Paseo Mallorca 8; Entresuelo; E-07012 PALMA DE MALLORCA
ALC	Universair, SA; Gran Via Asima 4; 2 Planta; Poligono Son Castello; E-07009 PALMA DE MALLORCA
ALC	Vuelos Internacionales de Vacaciones; Camino de la Escorella 4; E-07012 PALMA DE MALLORCA
FF	US Naval Communications Station AOK; Naval Oceanogryphy Command Centre; Operations Officer; Box 31; FPO NEW YORK, NY 09540-3200; USA
MAR	(Aranjuez R via PTT Madrid)
MAR	Telefonica; Servicio Maritimo; Avenida de las Cortes Catalanes 786; E-08013 BARCELONA
MAR	(Chipiona R via PTT Madrid)
MAR	(Finisterre R via PTT Madrid)
MAR	Estacion Costera Radiotelefonica; Calle Maria Cristina (Chalét); E- GIJON

MAR (Machichaco R via PTT Madrid)
MAR Estacion Costera Radiotelefonica; Can Pastilla; E- PALMA DE MALLORCA
MAR (Pozuelo del Rey R via PTT Madrid)
MAR (Tarifa R via PTT Madrid)
MAR Telefonica; Servicio Maritimo; Estacion Costera Radiotelefonica; Jefe de la Estacion; E- VIGO
MET Ministerio de Transportes, Turismo y Comunicaciones; Subsecretaria de Aviacion Civil; Instituto Nacional de Meteorologia; Seccion de Telecomunicacion; Jefe de la Seccion; Ciudad Universitaria; Apartado 285; E-280.. MADRID
NAV Instituto y Observatorio de Marina; Jefe de la Seccion de Hora; E- SAN FERNANDO (Cadiz)
NAV Estacion Radiotelegrafica e.n.a.; Arturo Soria 289; E-28016 MADRID
PTT Telefonica; Servicio Maritimo; Paseo de Recoletos 41 3; E-28004 MADRID

SRI LANKA SLK / 4P-4S / 43400-43499 / VC / 26R6

AIR Colombo Airport (Ratmalana); Department of Civil Aviation; Office of the Chief Signals Officer; Chief Officer; Mt. Lavinia; COLOMBO
ALC Air Lanka; 14 Sir Baron Jayatilaka Mawatha; P. O. Box 670; COLOMBO 1
MAR Colombo Radio; 26 Old Waidya Road; DEHIWELA

SUDAN SDN / SSN-ST 6T-6U / 62600-62999 / HS / 84G4

AIR Ministry of Defense; Civil Aviation Department; Office of the Director of Telecommunications; P. O. Box 430; KHARTOUM
ALC Nile Safaris Aviation, Ltd.; P. O. Box 2711; KHARTOUM
ALC Sudan Airways; P. O. Box 253; KHARTOUM
PRS Sudan News Agency; Technical Department; Gumhoria Street; P. O. Box 1506; KHARTOUM

SURINAM SUR / PZ / 81200-81399 / SM / 117A2

AIR Ministry of Transport, Trade and Industry; Department of Civil Aviation; Air Traffic Service; Chief; P. O. Box 1981; Zorg en Hoop; PARAMARIBO SOUTH
ALC Surinam Airways; P. O. Box 2029; PARAMARIBO
MAR TELESUR; Telecomunicatiebedrijf Suriname; Chief Coast Station; Gravenstraat 13; P. O. Box 1839; PARAMARIBO

SWAN ISLANDS SWN / see Honduras / 78501 / MHIC / 116C6

SWAZILAND SWZ / 3DA-3DM / 68396 / FD / 94L6

AIR Ministry of Works, Power and Communications; Civil Aviation Branch; P. O. Box 58; MBABANE

SWEDEN S / SA-SM 7S 8S / 02000-02699 / ES / 49H5

AIR Telekomisarien Luftfartsverket; S-190 45 STOCKHOLM-ARLANDA
ALC Scanair; Fack 20083; S-161 20 BROMMA
ALC Scandinavian Airlines System; Ulvsundavegen 193; S-161 87 BROMMA
ALC Transwede; P. O. Box 530; S-190 45 STOCKHOLM-ARLANDA
MAR Televerkets Kuststation; Goteborg Radio; S-439 00 ONSALA
MAR Harnösand Radio; Salsten 10; S-871 00 HARNÖSAND
MAR Karlskrona Radio SAA; Box 8051; S-371 08 LYCKEBY
MAR Televerkets Kuststation; Stockholm Radio; Box 43022; S-100 72 STOCKHOLM 43
MFA Utrikesdepartementet; Radioavdelningen; Box 16121; S-103 23 STOCKHOLM 16

PTT Swedish Telecom Radiostationen; Chief Engineer; Box 43022; S-100 72 STOCKHOLM 43

SWITZERLAND

SUI / HB HE / 06600-06794 / LS / 66

AIR Zürich Airadio; c/o SWISSCONTROL; Betriebsabteilung Flugsicherung; Postfach; CH-3000 BERNE 14
ALC Balair AG, Postfach; CH-4002 BASEL
ALC Compagnie de Transport Aerien; B. P. 110; CH-1215 GENEVA-AEROPORT
ALC SWISSAIR; Flight Communications; OFLF; Einsatzleitstelle Zürich; CH-8058 ZÜRICH-KLOTEN
MAR Radio-Suisse S. A.; Bern-Radio HEB; Betriebszentrale Bern; Genfergasse; CH-3011 BERNE
TSF (Nyon TS =) Observatoire Cantonal; CH- NEUCHATEL
UN Office of the United Nations at Geneva; Telecommunications Service; Palais des Nations; CH-1211 GENEVA 10

SYRIA

SYR / YK 6C / 40000-40099 / OS / 34E3

AIR Ministry of Transport; Directorate General of Civil Aviation; Director of Air Traffic Services; 1 Sahet Al-Nejmeh; P. O. Box 6257; DAMASCUS
ALC Syrianair; Youssef El-Azmeh Square; P. O. Box 417; DAMASCUS
MAR (Lattakia R via STE Damascus)
MAR (Tartous R via STE Damascus)
PTT Syrian Telecommunications Establishment; Directorate of Telecommunications Operation; Department of International Relations; Saadallah Jabiri Street; DAMASCUS

TAIWAN

TAI / see China / see China / RC / 23J7

ALC China Airlines Ltd.; 131 Nanking East Road; 3rd Section; TAIPEI 104
ALC Far Eastern Air Transport Corporation; FAT Building; 5 Alley 123; Lane 405; Tun Hwa North Road; TAIPEI 105
MAR Kaohsiung Radio Station XSW; 142 Jiin Tien Road; KAOHSIUNG
MAR Keelung Maritime Coast Radio Station XSX; 53 Ai 4th Road; KEELUNG
MET Central Weather Bureau; Chief Staff of Telecommunications; 64 Kung Yuan Road; TAIPEI 100
PRS Central News Agency Incorporated; Communications Department Chief; 238 Sungchiang Road; TAIPEI
TSF Telecommunications Laboratories; Ministry of Communications; P. O. Box 71; CHUNG LI 320

TANZANIA

TZA / 5H-5I / 63729-63971 / HT / 91E4

AIR Ministry of Communications and Works; Directorate of Civil Aviation; Senior Communications Officer; P. O. Box 2819; DAR ES SALAAM
ALC Air Tanzania Corporation; P. O. Box 543; DAR ES SALAAM
MAR (Zanzibar R via PTT Dar es Salaam)
PTT Tanzania Posts and Telecommunications Corporation; P. O. Box 9070; DAR-ES-SALAAM

THAILAND

THA / HS / 48300-48599 / VT / 25E5

AIR Aeronautical Radio of Thailand Ltd.; Aeronautical Telecommunication System Engineering Department; Manager; 102 Gnamduplee; Tungmahamek; G. P. O. Box 535; BANGKOK

ALC Thai Airways International; 89 Vibhavadi Rangsit Super Highway; G. P. O. Box 1075; 10900 BANGKOK
MAR (Bangkok R via CAT Bangkok)
MET Ministry of Communications; Meteorological Department; Telecommunications Division; Chief Collection and Dissemination Section; Radiofacsimile Broadcasts Manager; 612 Sukumvit Road; 10110 BANGKOK
PTT Communications Authority of Thailand; Director of Telecommunication Services Division; New Road; 10501 BANGKOK

TOGO TGO / 5V / 65350-65399 / DX / 89K8

AIR Representation de l´ASECNA; B. P. 123; LOME
MAR (Lome R via PTT Lome)
PTT Ministere de l´Equipement et des Postes et Telecommunications; LOME

TOKELAU ISLANDS TKL / see New Zealand / 91720-91749 / - / 10S3

TONGA TON / A3 / 91770-91799 / NFT / 9U14

AIR Ministry of Civil Aviation; Queen Salote Road; P. O. Box 845; NUKU´ALOFA
ALC (Friendly Islands Airways via Nuku´alofa Air)
MAR (Nuku´alofa R via TTC Nuku´alofa)
PTT Tonga Telecommunication Commission; P. O. Box 46; NUKU´ALOFA

TRINIDAD AND TOBAGO TRD / 9Y-9Z / 78960-78974 / TT / 11609

AIR Ministry of Public Utilities and National Transportation; Civil Aviation Division; P. O. Box 552; PORT OF SPAIN
ALC BWIA International; Administration Building; Piarco International Airport; PORT OF SPAIN
MAR (North Post R via TEXTEL Port of Spain)
PTT Trinidad and Tobago External Telecommunications Company Ltd.; Manager Operations; P. O. Box 3; PORT OF SPAIN

TRISTAN DA CUNHA TRC / see United Kingdom / 68902-68906 / - / 96B16

TUNISIA TUN / TS 3V / 60700-60799 / DT / 88S4

AIR Centre de la Navigation Aerienne; 2035 TUNIS-CARTHAGE
ALC Tunis Air; 113 Avenue de la Liberte; TUNIS
MAR (Tunis R via PTT Tunis)
PRS Agence Tunis Afrique Presse; Chef de la Division Technique; 25 Avenue Habib Bourgiba; 1001 TUNIS
PTT Ministere des Communications; Division des Transmissions; Subdivision Radio et Frequences; L´Ingenieur General; 3 bis Rue de l´Angleterre; TUNIS

TURKEY TUR / TA-TC YM / 17000-17399 / LT / 27B2

AIR Ministry of Communications; Civil Aviation Department; TR- ANKARA
AIR Meydah Meteoroloji; Istasyounou Müdürlügü; Havalaani; TR- ISTANBUL
ALC Bogazici Hava Tasimaciligi, AS; Halaskargazi Caddesi 236; KP 4; Sisli; TR- ISTANBUL
ALC Istanbul Airlines; Hatboyu; Caddesi 4; Bakirköy; TR- ISTANBUL
ALC Nesu Air; Valikunagi Caddesi 30/B Kat 4; Demirhan; Nisantas; TR- ISTANBUL

ALC Talia Hava Yollari; Cekmece Cad 20; Cihan A Apartment; Yesolköy; TR-34800 ISTANBUL
ALC Torosair; Inönü Caddesi; Gümüssuyu; Vakif Ishani 2; Taksim; TR-80090 ISTANBUL
ALC Tur European Airways, AS; Rihtim C Nesli Han 207; Karakoy; TR- ISTANBUL
ALC Türk Hava Yollari; Cumhuriyet Caddesi 199 - 201; Sisli; TR- ISTANBUL
MAR (Istanbul R via TGM Istanbul)
MET T. C. Basbakanlik; Devlat Meteoroloji Isleri; Genel Müdürlügü; TR- ANKARA
PRS Anadolou Ajansi; Genel Müdürlük; P. O. Box 450; TR- ANKARA
PTT TGM Istanbul; Bölge Basmüdürlügü; Teknik Isler; TR- ISTANBUL

TURKS AND CAICOS ISLANDS TCA / see United Kingdom / 78118 / MKGT MKJT MKM-MKN MKPI MKPV MKSC MKSY / 116H4

AIR Director of Civil Aviation; P. O. Box 168; GRAND TURK

TUVALU TUV / T2 / 91630-91649 / NGF / 9C8

AIR Ministry of Works and Communication; Vaiaku; FUNAFUTI
MAR (Funafuti Island R via PTT Funafuti)
PTT Posts and Telecommunications Division; Vaiaku; FUNAFUTI

UGANDA UGA / 5X / 63602-63726 / HU / 93C4

AIR Ministry of Transport; Directorate of Civil Aviation; P. O. Box 5536; KAMPALA

UKRAINIA UKR / UR-UT / see Union of Soviet Socialist Republics / see Union of Soviet Socialist Republics / 46E5

UNION OF SOVIET SOCIALIST REPUBLICS URS / EK EM-EO ER-ES EX-EZ LY R UA-UQ UU-UZ YL 4J-4L / 20000-39999 / U / 38

AIR Ministry of Civil Aviation; 37 Leningradski Prospekt; SU- MOSCOW A-167
ALC Aeroflot; Leningradsky Prospekt 37; SU-125167 MOSCOW
MAR Klaipeda Radio; P. O. Box 673; SU-235815 KLAIPEDA
PRS (ANGOP Moscow via ANGOP Luanda, Angola)
PRS (PL Moscow via PL Habana, Cuba)
PRS Telegrafnoje Agentstwo Sowjetskojo Sojusa; Main Communications Department; Twerscoij Boulevard 10; SU-103009 MOSCOW
PTT Ministry of Posts and Telecommunications; International Telecommunications Service; Public Relations Department; 7 Rue Gorki; SU-103375 MOSCOW
TSF Council of Ministers of the USSR; State Committee of Standards; Chief Foreign Relations Department; 9 Leninsky Prospekt; SU-117049 MOSCOW
- Arctic and Antarctic Research Institute; Fontanka 34; SU-191104 LENINGRAD

UNITED ARAB EMIRATES UAE / A6 / 41180-41239 / OM / 33K5

AIR Ministry of Communications; Directorate General of Civil Aviation; P. O. Box 900; ABU DHABI
ALC Emirates; P. O. Box 686; DUBAI

UNITED KINGDOM G / G M VP-VS ZB-ZJ ZN-ZO ZQ 2 / 03000-03949 / EG / 54

AF RAF Upavon; HQ 1 Group; Commanding Officer; PEWSEY SN9 6BE
AF West Drayton Volmet; Room 220; Porters Way; WEST DRAYTON UB7 9AX
AIR Civil Aviation Authority Headquarters; CAA House; 45-59 Kingsway; LONDON WC2B 6TE

AIR (Plymouth Rescue =) Southern Rescue Coordination Centre; Mount Wise; Richmond Walk; PLYMOUTH PL1 4JH
AIR (Shanwick Air =) National Air Traffic Services; Scottish & Oceanic ATC Control Centres; Duty Signals Officer; Atlantic House; Sherwood Road; PRESTWICK KA9 2NR
ALC Air Europe Ltd.; Europe House; The Galleria; Station Road; CRAWLEY RH10 1HY
ALC Air 2000, Ltd.; Griffin House; 135 High Street; CRAWLEY RH10 1DQ
ALC Air UK, Ltd.; Airways House; First Avenue; Stansted Airport; STANSTED CM24 8RY
ALC Britannia Airways Ltd.; Luton International Airport; LUTON LU2 9ND
ALC British Airways PLC; Head Office; SPEEDBIRD London; P311 Technical Block A; P. O. Box 10; Heathrow Airport; HOUNSLOW TW6 2JA
ALC British Island Airways PLC; Apollo House; Church Road; Lowfield Heath; CRAWLEY RH11 0PQ
ALC British Midland, Ltd.; Donington Hall; CASTLE DONINGTON DE7 2SB
ALC Cal Air International; Maintenance Base West; Gatwick Airport; GATWICK RH6 0SD
ALC Caledonian Airways; Gatwick Airport; HORLEY RH6 0LF
ALC Dan-Air London; New City Court; 20 St. Thomas Street; LONDON SE1 9RJ
ALC Diamond Airways; c/o Exxtor Group; The Millhouse; Barry Avenue; WINDSOR SL4 1QX
ALC Inter European Airways, Ltd.; 3 Bute Place; CARDIFF CF1 6AL
ALC Monarch Airlines Ltd.; Luton Airport; LUTON LU2 9NU
ALC Orion Airways Ltd.; East Midlands Airport; CASTLE DONINGTON DE7 2SA
ALC Paramount Airways, Ltd.; Bristol Airport; Lulsgate; BRISTOL BS19 3DY
ALC Virgin Atlantic Airways; Ashdown House; 2nd Floor; High Street; CRAWLEY RH10 1DQ
EMB (USE London via MFA Washington, USA)
FF (USAF AWS Croughton via USAF AWS Scott AFB, USA)
FF US NAVCOMMSTA UK; Lybster Hill; Forss; THURSO KW14 7XZ
MAR (Cullercoats R =) BT Radio Station; WHITLEY BAY NE26 2PD
MAR (Gallan Head R via Stonehaven R)
MAR (Humber R =) BT Radio Station; Trusthorpe; MABLETHORPE LN12 2PH
MAR Department of Electronics; State´s Airport; Officer-in-charge; ST. PETER, Jersey, Channel Islands
MAR (Land´s End R =) BT Radio Station; Officer in Charge; Skewjack, St. Levan; PENZANCE TR19 6NB
MAR (Niton R =) BT Radio Station; Officer-in-charge; Dean, Whitwell Road; VENTNOR PO38 2AB
MAR (North Foreland R =) BTI Radio Station; Station Manager; 96 Rumfield Road; BROADSTAIRS CT10 2PQ
MAR (Norwick R via Portishead R)
MAR (Oban R =) BT Radio Station; CONNELL PA37 1QX
MAR British Telecom International; Portishead Radio Station; Radio Officer; HIGHBRIDGE TA9 3JY
MAR BT Radio Station; Portpatrick; STRANRAER DG9 8TG
MAR BT Radio Station; Station Manager; Dunnottar Mains Farm; STONEHAVEN AB3 2TL
MAR BT Radio Station; Radio Officer; Post Office; Radio Station House; Newton Road; WICK KW1 5LT
MET Ministry of Defense; Air Force Department; Bracknell Meteorological Office; Met. O5b; London Road; BRACKNELL RG12 2SZ
NAV Royal Navy; Operations Office; Communications Centre Whitehall; Chief Radio Supervisor; Old Admiralty Buildings; Spring Gardens; Whitehall; LONDON SW1A 2BE
PTT British Telecom International; Holborn Center; 120 Holborn; LONDON EC1N 2TE
PTT Cable and Wireless PLC; Public Relations Office; Group General Manager; Mercury House; 100/124 Theobalds Road; LONDON WC1X 8RX
TSF Royal Greenwich Observatory; Time Department; Herstmonceux Castle; HAILSHAM BN27 1RP

UNITED NATIONS ORGANIZATION - / 4U / - / - / -

UNITED STATES OF AMERICA

USA / AA/AL K N W / 72000-72999 74000-74999 / K / 102

AF (USAF AWS Offutt AFB, Omaha, NE =) Air Weather Service; Headquarters; Public Affairs Office; SCOTT AFB, IL 62225
AF United States Air Force Global Aeronautical Station; McDill Air Force Base; Communications Station AFE34; 1928th Communication Group / AFCC; Commanding Officer; TAMPA, FL 33608-6345
AIR Aeronautical Radio Inc.; Area Manager; 5391 N.W. 36th Street; MIAMI SPRINGS, FL 33166
AIR New York International Flight Service Station; Facility Chief; 150 Arrival Avenue; Long Island McArthur Airport; RONKONKOMA, NY 11779
AIR Department of Transportation; Federal Aviation Administration; Flight Service Station; Airport Station; P. O. Box 2368; OAKLAND, CA 94614
AIR Federal Aviation Administration; 800 Independence Avenue Southwest; WASHINGTON, DC 20590
ALC Air America; 5534 Westlawn Avenue; LOS ANGELES, CA 90066
ALC Air Berlin USA; Flughafen Tegel; D-1000 BERLIN 51; Federal Republic of Germany
ALC Air Wisconsin, Inc.; General Offices; Outagamie County Airport; APPLETON, WI 54915-9120
ALC American Airlines Inc.; P. O. Box 619616; Dallas - Fort Worth International Airport; DALLAS, TX 75261-9616
ALC American Trans Air Inc.; P. O. Box 51609; INDIANAPOLIS, IN 46251
ALC America West Airlines Inc.; 222 South Mill Avenue; TEMPE, AZ 85281
ALC Arrow Air; P. O. Box 26062; MIAMI, FL 33102-6062
ALC Braniff Inc.; P. O. Box 7035; DALLAS, TX 75209
ALC Buffalo Airways, Inc.; Building 700; South University Park Drive; WACO, TX 76706
ALC Casino Express; P. O. Box 1174; EL CAJON, CA 92022
ALC Continental Airlines; 2929 Allen Parkway; HOUSTON, TX 77210
ALC Delta Air Lines Inc.; International Airport; ATLANTA, GA 30320
ALC Eastern Air Lines Inc.; International Airport; MIAMI, FL 33148
ALC Five Star Air; 330 First Avenue; NEEDHAM HEIGHTS, MA 02194
ALC Gulf Air, Inc.; P. O. Box 1274; NEW IBERIA, LA 70561-1274
ALC IBC International Airlines; 1020 Manhattan Beach Boulevard; Suite 104; MANHATTAN BEACH, CA 90266
ALC Independent Air, Inc.; P. O. Box 82916; HAPEVILLE, GA 30354
ALC Key Airlines, Inc.; 13873 Park Center Road; Suite 490; HERNDON, VA 22071
ALC Midway Airlines, Inc.; Midway Airport; CHICAGO, IL 60638
ALC Northwest Orient; International Airport; SAINT PAUL, MN 55111
ALC Pan Am; Pan Am Building; 200 Park Avenue; NEW YORK, NY 10166
ALC Piedmont Airlines; Smith Reynolds Airport; WINSTON-SALEM, NC 27156
ALC Rich International Airways, Inc.; P. O. Box 423; HUDSON, NY 12534
ALC Skyworld Airlines; 2121 Valentia Street; DENVER, CO 80220-2189
ALC Southwest Airlines Company; Love Field; P.O. Box 37611; DALLAS, TX 75235-1625
ALC Sun Country Airlines; 7701 26th Avenue South; MINNEAPOLIS, MN 55450
ALC THE Airline, Inc.; P. O. Box 1117; FLEMINGTON, NJ 08822
ALC Tower Air, Inc.; Hangar 8; JFK International Airport; JAMAICA, NY 11430
ALC Trans World Airlines; 605 3rd Avenue; NEW YORK, NY 10016
ALC United Airlines Inc.; P. O. Box 66100; CHICAGO, IL 60666
ALC USAir Inc.; Executive Offices; National Airport; WASHINGTON, DC 20001
ALC World Airways, Inc.; 13873 Park Center Road; Suite 490; HERNDON, VA 22073
CG Department of Transportation; US Coast Guard Station Boston (NMF); Radioman-in-charge; 1240 South River Street; P. O. Box 608; MARSHFIELD, MA 02050-0005
CG US Coast Guard Radio Station NMN; Pungo Station; Commanding Officer; VIRGINIA BEACH, VA 23456
CG United States Coast Guard Radio Station NMA; Watch Supervisor; 16001 SW 117th Avenue; MIAMI, FL 33177
CG United States Coast Guard Communication Area; Master Station Pacific San Francisco; Commanding Officer; 17000 Sir Francis Drake Boulevard; P. O. Box 560; POINT REYES STATION, CA 94956-0560

MAR Chatham Radio WCC; Manager; P. O. Box 397; NORTH CHATHAM, MA 02650

MAR (Dixon R =) American Telephone and Telegraph Company; Long Lines Department; KMI Receiving Station; P. O. Box 8; INVERNESS, CA 94937

MAR Galveston Radio KLC; Assistant Manager; P. O. Box 115; ARCADIA, TX 77517

MAR Marine Radiotelephone Station WMI; 2307 Leavitt Road; LORAIN, OH 44052

MAR Mobile Marine Radio Inc.; 7700 Rinla Avenue; MOBILE, AL 36619-1199

MAR (Ocean Gate R =) American Telephone and Telegraph Company; Station WOO; Beach Avenue; P. O. Box 550; MANAHAWKIN, NJ 08050

MAR (Pennsuco R =) American Telephone and Telegraph Company; Station WOM; 1350 N.W. 40th Avenue; FORT LAUDERDALE, FL 33313

MAR Port Arthur Radio WPA; P. O. Box 1328; PORT ARTHUR, TX 77641

MAR San Francisco Radio / KFS; Station Manager; P. O. Box 56; HALF MOON BAY, CA 94019

MAR (San Francisco Radio / KPH via RCA San Francisco)

MAR Slidell Radio WNU; Tropical Radio Telegraph Company; P. O. Drawer E; PEARL RIVER, LA 70542

MAR Radio Station WPD; Manager; 4230 West Alva Street; TAMPA, FL 33614

MAR Tuckerton Radio WSC; Murphy Drive; P. O. Box 386; WEST CREEK, NJ 08092

MET US Department of Commerce; National Oceanic and Atmospheric Administration; National Weather Service; Communications Division; Chief; SILVER SPRING, MD 20910

MFA Department of State; Office of Communications; Radio Telegraph Communications; Room 44 A 20; 21st & C Street, N.W.; WASHINGTON, DC 20520

NAV (USN Key West via USN Norfolk)

NAV Naval Eastern Oceanography Center; McAdie Building U117; Naval Air Station; NORFOLK, VA 23511-5399

PRS The Associated Press; Communications Department; Technical Center; 16 Elkin Road; EAST BRUNSWICK, NJ 08816

PRS United Press International; General Offices; International Telecommunications Chief; News Building; 220 East 42nd Street; NEW YORK, NY 10017

PTT ITT World Communications Inc.; Manager; Vanderbilt Parkway off Washington Avenue; P. O. Box 6; Brentwood; LONG ISLAND, NY 11717

PTT RCA Communications Inc.; Operations Department; P. O. Box 1027; Rocky Point; LONG ISLAND, NY 11778

PTT RCA Global Communications; 17400 Sir Francis Drake Boulevard; POINT REYES STATION, CA 94956

TSF Station WWV; Engineer-in-charge; Route 2; Box 83-E; FORT COLLINS, CO 80521

URUGUAY URG / CV-CX / 86300-86599 / SU / 121F4

AIR Direccion General de Aeronautica; Aerupuerto Internacional de Carrasco; CANELONES

ALC PLUNA; Colonia 1013, 7; MONTEVIDEO

MAR (Cerrito R via ANTEL Montevideo)

PTT Administracion Nacional de Telecomunicaciones; Departemento de Transmision; Jefe Ingeniero; Colonel Brandzen 1961; Piso 12, Esc. 1201; MONTEVIDEO

VANUATU VUT / YJ / 91550-91569 / NV / 9A10

AIR Ministry of Transport and Communications; Civil Aviation Department; PORT-VILA

ALC Air Vanuatu Ltd.; 501 Swanston Street; MELBOURNE, VIC 3000; Australia

MAR (Port-Vila R via PTT Port-Vila)

PTT Department of Posts and Telecommunications; PORT-VILA

VATICAN CITY STATE CVA / HV / - / - / 79A5

PTT Governatorato - Secretariat General; Administration des PTT; CITTA DEL VATICANO

VENEZUELA VEN / YV-YY 4M / 80400-80799 / SV / 119E4

AIR Direccion de Aeronautica Civil; Parque Central; Torre Este, Piso 32; Avenida Lecuna; CARACAS 1010
ALC Aeropostal; Torre Este; Parque Central; Pisos 46/47/48; CARACAS 1010
ALC AVENSA; Edificio Banco de la Construccion y de Oriente; Esquina de Platanal; Piso 1-11-15-16; Avenida Urdaneta; CARACAS 101
ALC VIASA; Torre Viasa; Plaza Morelos; Avenida Sur 25; Los Caobos; CARACAS 105
MAR Ministerio de Comunicaciones; Direccion de Telecomunicaciones; Estacion Costera de Arrecifes; Jefe de Estacion; LA GUAYRA
MET Ministerio de Defensa; Fuerza Aerea; Servicio de Meteorologia y Comunicaciones; Section of Meteorological Telecommunications; Edificio "El Prado"; Avenida Bolivar Este 75; MARACAY
TSF Observatorio Cagigal; Apartado 6745; La Planacie; CARACAS

VIET NAM VTN / XV 3W / 48000-48920 / VV / 25H3

AIR General Civil Aviation Administration; Directorate General; 25 Trang Thi; HANOI
ALC Hang Khong Viet Nam; Gialem Airport; HANOI
MET Service Hydrometeorologique; Departement des Previsions Hydrometeorologiques; 4 Rue Dang Thai Than; HANOI
PRS Viet-Nam Thong Tan Xa; HANOI
PTT Direction Generale des Postes et Telecommunications; 18 Rue Nguyen Du; HANOI

VIRGIN ISLANDS (BRITISH) VRG / see United Kingdom / 78550-78559 / TU / 105L7

VIRGIN ISLANDS (UNITED STATES) VIR / see United States of America / 78543-78547 / TI / 105L7

MAR (Saint Thomas R via ITT Saint Thomas)
PTT ITT Communications, Inc.; Charlotte Amalie; P.O. Box 3768; SAINT THOMAS 00801

WAKE ISLAND WAK / see United States of America / 91245 / PW / 9A6

WALLIS AND FUTUNA ISLANDS WAL / see France / 91750-91754 / NL / 10R4

WORLD METEOROLOGICAL ORGANIZATION - / C7 / - / - / -

YEMEN ARAB REPUBLIC YEM / 4W / 41320-41399 / OY / 33E9

AIR Ministry of Communications; Civil Aviation and Meteorology Authority; International Airport; P. O. Box 1438; SAN´A
ALC Yemenia; Communications Operations Department; Zubeiry Street; P.O. Box 1183; SAN´A
MAR (Hodeidah R via C+W San´a)
PTT Cable and Wireless PLC; Gamal Abdul Nasser Street; P. O. Box 168; SAN´A

YEMEN (PEOPLE´S DEMOCRATIC REPUBLIC OF) YMS / 70 / 41400-41499 / OD / 33H8

AIR Department of Civil Aviation; P. O. Box 424 - Crater; ADEN
ALC Alyemda; P. O. Box 6006; Alyemda Building; Khormaksar Civil Airport; ADEN
MAR (Aden R via YEMENTEL Aden)
PRS (ANA Aden via YEMENTEL Aden)

PTT Yemen Telecommunications Corporation; Radio Regulatory Division; General Manager; P. O. Box 1256; Tawahi; ADEN

YUGOSLAVIA YUG / YT-YU YZ 4N-40 / 13000-13599 / LY / 81D6

AIR Savezna uprava za civilnu vazdusnu plovidbu; Brankova 25/V; Postanski Fah 566; YU-11000 BELGRADE
ALC Adria Airways; Kuzmiveca 7; P. O. Box 0453-IX; YU-61003 LJUBLJANA
ALC Aviogenex; SAVA Centar; Suite 15; M. Popovitca 9; P.O. Box 636; YU-31170 BELGRADE
ALC Jugoslovenski Aerotransport; M. Popovitca 9; P. O. Box 749; YU-11000 BELGRADE
MAR Ustanova za odrzawanje pomorskih plovnih putova; obalna radiostanica Bar; YU-81350 BAR
MAR Rijeka Radio YUB/YUZ; Obalna Radio Stanica; Chief Engineer; YU-51005 RIJEKA SOPALJ
MAR Ustanova za odrzavanje pomorskih plovnih putova; obalna radiostanica Split; YU-68000 SPLIT
PRS Telegrafska Agencija Nova Jugoslavija; Administracija; Obilicev Venac 2; Post. fah 439; YU- BELGRADE

ZAIRE ZAI / 9O-9T / 64000-64379 / FZ / 84G6

AIR Regie des Voies Aeriennes; Direction Generale; Administration Centrale; Direction de l´Infrastructure; Radio Electrique; Le Delegue General; Aeroport International de N´Djili; B. P. 6574; KINSHASA-NDOLO
ALC African Air Charter; Ndjili Airport; KINSHASA
ALC Air Charter Service; Place Salongo; B. P. 5371; KINSHASA 10
ALC Air Zaire; 4 Avenue du Port; B. P. 8552; KINSHASA 1
ALC Scibe Airlift; B. P. 614; KINSHASA 1
MAR Regie des Voies Maritimes; Station Cotiere Banana-Radio; Chef de Station; B. P. 5; BANANA
PRS Agence Zaire-Presse; Administration Centrale; Cabinet du Delegue General; Le Delegue General; Avenue Tombalbaye 44-48; B. P. 1595; KINSHASA

ZAMBIA ZMB / 9I-9J / 67400-67999 / FL / 92B9

AIR Department of Civil Aviation; Director of Civil Aviation; P. O. Box 50137; LUSAKA
ALC Zambia Airways Corporation Ltd.; P. O. Box 30272; LUSAKA

ZIMBABWE ZWE / Z2 / 67400-67999 / FV / 92C11

AIR Department of Civil Aviation; Sarum House; 78 Manica Road; Private Bag 7716; HARARE
ALC Air Zimbabwe Corporation; P. O. Box AP 1; International Airport; HARARE

25 Abbreviations

This list contains both name and traffic abbreviations. The latter are used both in the traffic between radio stations, and in the "details" column of the "Frequency list of utility stations" (chapter 3.3).

For abbreviations used in aeronautical telecommunication please refer to chapter 8 in our AIR AND METEO CODE MANUAL.

For a reverse list giving countries and the corresponding ITU symbols see chapter 24.

Contrary to the official allocation, we use throughout our publications
ANT for Antarctic;
CHN for the People´s Republic of China;
KMP for Kampuchea;
MIC for Micronesia;
MYA for Myanmar;
NLD for Netherlands;
SLK for Sri Lanka;
TAI for Taiwan (Republic of China);
URS for the Union of Soviet Socialist Republics including Byelorussia and Ukrainia.

A	Arabic (see chapter 6.1 in our RADIOTELETYPE CODE MANUAL)
AA	All after ...
AA	Anadolu Ajansi
AAA	Shared throughout the world
AAB	Shared by several countries, but in a restricted area of the world
AACR	All America Cables and Radio Inc.
AAF	Argentine Air Force
AARI	Arctic and Antarctic Research Institute
AASANA	Administracion de Aeropuertos y Servicios Auxiliares a la Navegacion Aerea
AB	All before ...
ABT	About
ABW	Aruba
ACT	Australian Capital Territory
ADL	Adelie Land
ADN	Allgemeiner Deutscher Nachrichtendienst
ADS	Address
AEROFLOT	Soviet Airlines
AF	Audio frequency
AFB	Air Force Base
AFC	Area Forecast Centre
AFG	Afghanistan
AFI	Africa MWARA
AFI	For flights to Africa
AFP	Agence France Presse
AFRTS	Armed Forces Radio and Television Service
AFS	South Africa (Republic of)
AFTN	Aeronautical Fixed Telecommunication Network
AGERPRES	Agentia Romana de Presa
AGL	Angola
AGN	Again
AIA	Anguilla
AIM	Agencia de Informacao Mocambique
AIR	Aeronautical Fixed Station
AL	Alabama
ALB	Albania
ALG	Algeria
ALS	Alaska
ALTA	Alberta

AM	Amplitude modulation
AMOCO	American Oil Company
AMS	Aeronautical Mobile Service
AMS	Amsterdam and Saint Paul Islands
AMTOR	Amateur microprocessor teleprinting over radio according to CCIR 476-4 (see chapter 7 in our RADIOTELETYPE CODE MANUAL)
AMVER	Automated mutual-assistance vessel rescue system
AN	Argentine Navy
ANAL	Analysis
AND	Andorra
ANGOP	Agencia Angola Press
ANNS	Announces
ANS	Answer
ANSA	Agenzia Nazionale Stampa Associata
ANT	Antarctic
ANT	Antenna
AP	Associated Press
APA	Austrian Press Agency
APN	Agentstwo Petschati Nowosti
APO	Army or Air Force Post Office
APS	Algerie Presse Service
AR	Arkansas
AR	Armenia
AR	End of transmission (.-.-. TO BE SENT AS ONE SIGNAL)
ARAMCO	Arabian American Oil Company
ARG	Argentina
ARGOIL	Arab Gulf Oil Co.
ARQ	Synchronous transmission and automatic repetition (in general)
ARQ-E	Single-channel ARQ system according to UNIVERSAL and WAVECOM (see advertisements at the end of this book, and chapter 9 in our RADIOTELETYPE CODE MANUAL)
ARQ-E3	Single-channel ARQ ITA3 system according to UNIVERSAL and WAVECOM (see advertisements at the end of this book)
ARQ-M2	Multiplex ARQ system with 2 data channels according to CCIR 342-3 (see chapter 8 in our RADIOTELETYPE CODE MANUAL)
ARQ-M4	Multiplex ARQ system with 4 data channels according to CCIR 342-3 (see chapter 8 in our RADIOTELETYPE CODE MANUAL)
ARS	Saudi Arabia
AS	Waiting period (.-... TO BE SENT AS ONE SIGNAL)
ASC	Ascension
ASECNA	Agence pour la Securite de la Navigation Aerienne en Afrique et a Madagascar
ATA	Agence Telegraphique Albanaise
ATCC	Agence Telegraphique Centrale de Coree
ATG	Antigua and Barbuda
ATN	Netherlands Antilles
ATU	Arab Telecommunication Union
ATU-A	Arabic ATU alphabet (see chapter 6.11 in our RADIOTELETYPE CODE MANUAL)
AUS	Australia
AUT	Austria
AUTOSPEC	Bauer error-correcting code according to WAVECOM (see advertisement at the end of this book)
AZ	Arizona
AZ	Azerbaydzhan
AZAP	Agence Zairoise des Associations de Presse
AZR	Azores
B	Brazil
BA	Belgian or British Army
BAF	Belgian Air Force
BAH	Bahamas
BATELCO	Bahrain Telecommunications Company
BC	British Columbia

BC	Broadcast
BD	Bad
BD	Baud
BDA	Bardheere Dam Authority
BDI	Burundi
BEL	Belgium
BEN	Benin
BER	Bermuda
BEXTEL	Barbados External Telecommunications Ltd.
BFA	Bourkina Faso
BGD	Bangla Desh
BHR	Bahrain
BIO	British Indian Ocean Territory
BIPM	Bureau International des Poids et des Mesures
BK	Signal used to interrupt a transmission in progress
BKF	Baroclinic model (9 levels, with humidity, grid 254 km)
BKN	Baroclinic model (9 levels, with humidity, grid 127 km)
BLR	Byelorussia
BLZ	Belize
BMPT	Bundesministerium für Post und Telekommunikation
BN	All between ... and ...
BN	Belgian or Brazilian or Bulgarian Navy
BOL	Bolivia
BOT	Botswana
BP	British Petroleum
BQ	A reply to an RQ
BRB	Barbados
BRM	Myanmar
BRU	Brunei
BT	British Telecom
BT	Signal to mark the separation between different parts of the same transmission (-...- TO BE SENT AS ONE SIGNAL)
BTA	Bulgarska Telegrafitscheka Agentzia
BTN	Bhutan
BTR	Better
BTTB	Bangla Desh Telegraph and Telephone Board
BUL	Bulgaria
BY	Byelorussia
C	Yes
CA	California
CAF	Central African Republic
CAN	Canada
CAN-ARQ	Canadian diplomatic duplex ARQ system according to WAVECOM (see advertisement at the end of this book)
CAPWIRE	Capitol Wireless Inc.
CAR	Caribbean MWARA
CAR	Caroline Islands
CAT	Communications Authority of Thailand
CCG	Canadian Coast Guard
CCIR	International Radio Consultative Committee
CCITT	International Telegraph and Telephone Consultative Committee
CCT	Circuit
CEP	Central East Pacific MWARA
CETEKA	Ceskoslovenska Tiskova Kancelar
CEU	For flights within Central Europe
CF	Canadian Forces
CFARS	Canadian Forces Affiliated Radio System
CFM	Confirm (OR I confirm)
CH	Channel
CHF	Swiss Franken
CHL	Chile
CHN	China

CHR	Christmas Island
CIRM	Centro Internazionale Radio Medico
CK	Check
CKH	Cook Islands
CL	I am closing my station
CLG	Calling
CLM	Colombia
CLN	Sri Lanka
CLR	Clear
CME	Cameroon
CN	Chilene or Chinese or Colombian Navy
CNA	Central News Agency Inc.
CNR	Canary Islands
CO	Colorado
COG	Congo
COL	Collate (OR I collate)
COM	Comoros
COMB	Combination of telephony and telegraphy audible within a 4 kHz bandwidth (for example B9W) (see chapter 4 in our RADIOTELETYPE CODE MANUAL)
COPE	Cofradia de Pescadores
COR	Correction
CP	Computer product
CP	General call to two or more specified stations
CPRM	Companhia Portuguesa Radio Marconi
CPV	Cape Verde
CPV	Compania Peruana de Vapores
CQ	General call to all stations
CRO	Crozet Archipelago
CS	Call sign
CT	Connecticut
CTA	Cyprus Telecommunications Authority
CTI	Ivory Coast
CTR	Costa Rica
CUB	Cuba
CVA	Vatican City State
CW	Continuous wave (Morse code)
C+W	Cable and Wireless Ltd.
CWP	Central West Pacific MWARA
CYM	Cayman Islands
CYP	Cyprus
D	Germany (Federal Republic of)
DA	Danish Army
DBL	Double
DC	District of Columbia
DCT	Direct
DDD	Used to identify the transmission of the distress message by a station not itself in distress
DDR	German Democratic Republic
DDSG	Erste Donau-Dampfschiffahrts-Gesellschaft
DE	Delaware
DE	From
DEM	German Mark
DF	Your bearing at ... hours was ... degrees, in the doubtful sector of this station, with a possible error of ... degrees
DGA	Diego Garcia
DGTMMM	Direccion General del Territorio Maritima y Marina Mercante
DHI	Deutsches Hydrographisches Institut
DIF	Different
DIPLO	Direction des Services d´Information et de Presse
DIS	Diplomatic Information Service
DJI	Djibouti

DLD	Delivered
DM	Danish Marine
DMA	Dominica
DN	Dutch Navy
DNK	Denmark
DO	Bearing doubtful. Ask for another bearing later (OR at ... hours)
DOM	Dominican Republic
DP	Deutsche Post
DPA	Deutsche Presse-Agentur
DR	Dear
DRK	Deutsches Rotes Kreuz
DSB	Double sideband
DSC	Digital Selective Calling
DSCT	Direccao dos Servicos de Correios e Telecomunicacoes
DTG	Date-time group
DTRE	Direction des Telecommunications des Reseaux Exterieurs
DTS	Droit de tirage special
DUP-ARQ	Hungarian diplomatic duplex ARQ system according to WAVECOM (see advertisement at the end of this book)
DUPE	This is a duplicate message
DW	Deutsche Welle
DWT	Deadweight tonnage
DYN	Diarios y Noticias
E	East
E	Embassy
E	English
E	Spain
EA	East Asia MWARA
EA	Ethiopian Airlines
ECMWF	European Centre for Medium-Range Weather Forecasts
E E E	Error signal
EGY	Egypt
EHF	Extreme high frequency
EL	Element
EMBRATEL	Empresa Brasileira de Telecomunicacoes
EMIRTEL	Emirates Telecommunications Corporation Ltd.
EN	Egyptian or Equadorian Navy
ENATEL	Empresa Nacional de Telecomunicacoes
ENCOTEL	Empresa Nacional de Correos y Telegrafos
ENPA	Empresa Nacional de Petroleos de Aragon, S.A.
ENTEL	Empresa Nacional de Telecomunicaciones
EPD	Evangelischer Pressedienst
EQA	Ecuador
ER	Here ...
ERP	Effective radiated power
ES	And
ES	Estonia
ETA	Estimated time of arrival
ETA	Ethiopian Telecommunications Authority
ETAL	Empresa Telecomunicaciones Australes Ltda.
ETH	Ethiopia
ETPI	Eastern Telecommunications Philippines Inc.
EUCAR	For flights to the Caribbean area
EUR	Europe MWARA
EUR	For flights within the European-Mediterranean region
EURSAM	For flights to South America
EX	Formerly
F	Fisheries
F	France
F	French
FA	French Army
FAF	French Air Force

FAX	Facsimile
FCST	Forecast
FDM	Frequency division multiplex (in general)
FE	Russia (Far East E of 140° E)
FEC	Forward error correction (in general)
FEC-A	One-way traffic FEC system according to UNIVERSAL and WAVECOM (see advertisements at the end of this book, and chapter 10 in our RADIOTELETYPE CODE MANUAL)
FF	French Forces
FIG	Figure(s)
FITEL	Fiji International Telecommunications Ltd.
FJI	Fiji
FL	Flight level
FL	Florida
FLD	Field
FLK	Falkland Islands (Malvinas) and Dependencies
FM	Frequency modulation
FM	From
FMC	French Missile Centre
FN	French Navy
FNL	Finland
FOXES	Test slip like "the quick brown fox jumps over the lazy dog´s back de nio testing 1234567890"
FPO	Fleet Post Office
FRG	Federal Republic of Germany
FSK	Frequency-shift keying
FSP	Flatbed Scanning Process
FYI	For your information
G	German
G	United Kingdom
GA	Georgia
GA	German Army
GA	You may transmit
GAB	Gabon
GAF	German Air Force
GCA	Territories of the United Kingdom in Region 1
GCB	Territories of the United Kingdom in Region 2
GCC	Territories of the United Kingdom in Region 3
GD	Good
GDL	Guadeloupe and Dependencies
GDR	German Democratic Republic
GDR-ARQ	German Democratic Republic diplomatic duplex ARQ system according to WAVECOM (see advertisement at the end of this book)
GE	Georgia
GHA	Ghana
GIB	Gibraltar
GMB	Gambia
GMDSS	Global Maritime Distress and Safety System
GMT	Greenwich Mean Time
GN	German or Greek Navy
GNA	Gulf News Agency
GNB	Guinea-Bissau
GNE	Equatorial Guinea
GOTIM	Goodwin Timbers Indonesia PT
GP	Group
GPO	General Post Office
GRC	Greece
GRD	Grenada
GRL	Greenland
GRT	Gross register tonnage
GTC	Government Telecommunication Centre
GTM	Guatemala

GTS	Global Telecommunication System
GTZ	Gesellschaft für Technische Zusammenarbeit
GUF	Guiana (French)
GUI	Guinea
GULPECO	Gulf Petroleum Company
GUM	Guam
GUY	Guyana
GUYTELCO	Guyana Telecommunication Corporation
HAB	Hamburger Abendblatt
HCG	Hellenic Coast Guard
HDG	Heading
HF	High frequency
HI	Laughter
HKG	Hong Kong
HND	Honduras
HNG	Hungary
HOL	Netherlands
HPA	Hectopascal
HQ	Headquarters
HR	Hour
HRS	Hours
HTI	Haiti
HW	How
HWA	Hawaii
HWL	Howland Island
HX	Harmonic emission of
I	Italian
I	Italy
IA	Iowa
IA	Italian Army
IAF	Italian Air Force
IAG	Institute of Applied Geophysics
IAT	International Atomic Time
ICAO	International Civil Aviation Organization
ICO	Cocos (Keeling) Islands
ICRC	International Committee of the Red Cross
ID	Idaho
ID	Identification
IFG	Italian Finance Guard
IFL	International Frequency List
IFRB	International Frequency Registration Board
IINA	International Islamic News Agency
IL	Illinois
IMI	Interrogation sign (..--.. TO BE SENT AS ONE SIGNAL)
IN	Indian or Indonesian or Israel or Italian Navy
IN	Indiana
INA	Iraqi News Agency
IND	India
INF	Information
INO	Indian Ocean MWARA
INS	Indonesia
INT	Interrogation sign
INTEL	Instituto Nacional de Telecomunicaciones
INTERPOL	Organisation Internationale de la Police Criminelle
IOC	Index of cooperation
IOEPC	Iranian Oil Exploration and Producing Company
IORC	Iranian Oil Refining Company Ltd.
IR	Infrared
IRL	Ireland
IRN	Iran
IRNA	Islamic Republic News Agency
IRPT	I repeat

IRQ	Iraq
ISB	Independent sidebands audible within a 4 kHz bandwidth
ISD	Inverted scanning direction
ISL	Iceland
ISR	Israel
ITA	International Telecommunications Administration
ITA	International Telegraph Alphabet
ITALCABLE	Servizi Cablografici, Radiotelegrafici e Radioelettrici
ITP	The punctuation counts
ITT	International Telephone and Telegraph Co.
ITTCHL	International Telephone and Telegraph Comunicaciones Mundiales S. A. Chile
ITU	International Telecommunication Union
J	Japan
JANA	Jamahiriyah News Agency
JAR	Jarvis Island
JAT	Jugoslovenski Aerotransport
JCG	Jamaiçan Coast Guard
JIJI	Jiji Tsushin Sha
JMC	Jamaica
JN	Japanese Navy
JON	Johnston Island
JOR	Jordan
K	Invitation to transmit
KA	Kazakhstan
KA	Starting signal (-.-.- TO BE SENT AS ONE SIGNAL)
KC	Kilocycles
KCNA	Korean Central News Agency
KDD	Kokusai Denshin Denwa Co. Ltd.
KEN	Kenya
KER	Kerguelen Islands
KHZ	Kilohertz
KI	Kirgiziya
KIR	Kiribati
KMH	Kilometers per hour
KMP	Kampuchea
KNA	Katholische Nachrichtenagentur
KOR	Korea (Republic of)
KPL	Khaosan Pathet Lao
KRE	Korea (Democratic People´s Republic of)
KTS	Nautical miles per hour (KNOTS)
KUNA	Kuwait News Agency
KWT	Kuwait
KY	Kentucky
KYODO	Kyodo Tsushin
LA	Latvia
LA	Louisiana
LAB	Labrador
LAO	Laos
LBN	Lebanon
LBR	Liberia
LBY	Libya
LCA	Saint Lucia
LF	Low frequency
LFM	Limited-area fine mesh
LI	Lithuania
LIE	Liechtenstein
LKA	Landeskriminalamt
LL	Landline
LN	Lebanese Navy
LORAN	Long Range Navigation System
LR	The last message received by me was ...

LS	The last message sent by me was ...
LSB	Lower sideband
LSO	Lesotho
LTR	Letter(s)
LUX	Luxembourg
LW	Longwave
MA	Massachussetts
MAC	Macao
MAN	Manitoba
MAP	Maghreb Arabe Presse
MAR	Maritime
MARS	Military Affiliated Radio System
MAU	Mauritius
MB	Millibar
MC	Megacycles
MC	Multiple copy
MCO	Monaco
MD	Maryland
MDG	Madagascar
MDR	Madeira
MDW	Midway Islands
ME	Maine
MEA	Ministry of External Affairs
MENA	Middle East News Agency
METEO	Fixed Station used for the transmission of meteorological information
MEX	Mexico
MF	Medium frequency
MFA	Ministry of Foreign Affairs
MHZ	Megahertz
MI	Michigan
MIC	Micronesia
MID	For flights to the Middle and Far East
MID	Middle East MWARA
MIL	Military
MIN	Minute (OR Minutes)
MINERVA	P.E.E.A. Minerva S.R. Ltda.
MIS	Missing
MK	Mark
MLA	Malaysia
MLD	Maldives
MLD	Mixed layer depth
MLI	Mali
MLT	Malta
MM	Melody mirror
MMM	Frequency assignment for inter-ship communications
MMS	Maritime Mobile Service
MN	Mexican or Mozambique Navy
MN	Minnesota
MNG	Mongolia
MO	Missouri
MO	Moldavia
MOD	Ministry of Defense
MOD	Modulation
MOI	Ministry of Interior
MONTSAME	Mongolian Telegraphic Agency
MOZ	Mozambique
MPH	Statute miles per hour
MRA	Mariana Islands
MRC	Morocco
MRL	Marshall Islands
MRN	Marion Island
MRT	Martinique

MRT	Mass Rapid Transit
MS	Mississippi
MSA	Maritime Safety Agency
MSG	Message
MSI	Maritime Safety Information
MSL	Mean sea level
MSR	Misrouted
MSR	Montserrat
MSV	Manned Space Vehicle
MT	Montana
MTI	Magyar Tavirati Iroda
MTN	Mauritania
MUX	Multiplex
MW	Medium wave
MWARA	Major World Air Route Area (see map 1)
MWI	Malawi
MWM	Worldwide
MX	Music
MYA	Myanmar
MYT	Mayotte Island
N	North
N	Norwegian
NA	Noticias Argentinas
NAM	News Agency of Myanmar
NAN	News Agency of Nigeria
NAT	For flights to North America
NAT	North Atlantic MWARA
NATO	North Atlantic Treaty Organization
NAVTEX	Navigational and meteorological warnings and urgent information for ships
NB	New Brunswick
NBDPT	Narrow-Band Direct-Printing Telegraphy
NBFM	Narrow-band frequency modulation
NC	North Carolina
NCA	North Central Asia MWARA
NCG	Nicaragua
NCL	New Caledonia and Dependencies
ND	Non-directional
ND	North Dakota
NE	Nebraska
NEOC	Naval Eastern Oceanography Center
NFK	Norfolk Island
NFLD	Newfoundland
NGR	Niger
NH	New Hampshire
NI	Norfolk Island
NIG	Nigeria
NIL	I have nothing to send to you
NITEL	Nigerian Telecommunications Ltd.
NIU	Niue Island
NJ	New Jersey
NLD	Netherlands
NM	New Mexico
NMB	Namibia
NMC	National Meteorological Center
NN	Norwegian Navy
NO	No
NOAA	National Oceanic and Atmospheric Administration
NOGAPS	Navy Operational Global Atmospherics Prediction System
NOR	Norway
NORAPS	Navy Operational Regional Atmospherics Prediction System
NP	North Pacific MWARA

NPL	Nepal
NR	Near
NR	Number
NRK	Norsk Rikskringkasting
NRU	Nauru
NS	Nova Scotia
NSW	New South Wales
NT	Northern Territory
NTA	National Telecommunication Administration
NTA	Norwegian Telecommunications Administration
NV	Nevada
NW	Now
NWS	National Weather Service
NWT	North West Territories
NX	News (OR notices)
NY	New York
NZL	New Zealand
OBS	Observations
OCE	Polynesia (French)
OGERO	Organisme de Gestion et d´Exploitation des installations et des equipements de l´ex-societe Radio Orient
OH	Ohio
OK	Oklahoma
OK	We agree (OR It is correct)
OL	Ocean letter
OM	Old man
OMA	Oman
OMT	Office Monegasque des Telephones
ONC	Stations of the "United Nations Military Observer Group in India and Pakistan"
ONJ	Stations of the "United Nations Truce Supervision Organization in areas between the Armistice Demarcation Lines at Jerusalem"
ONPT	Office National des Postes et Telecommunications
ONT	Ontario
OP	Operator
OR	Oregon
(OR)	Communications, including those relating to flight coordination, concerning flights primarily outside national or international civil air routes
OTC	Overseas Telecommunications Co.
OTIC	Office des Telecommunications Internationales du Congo
OTS	Overseas Telecommunications Service
OWS	Ocean Weather Ship
P	Portuguese
P	Prefix indicating a private radiotelegram
PA	Pennsylvania
PAF	Portuguese Air Force
PAK	Pakistan
PANA	Pan African News Agency
PAP	Polska Agencja Prasowa
PAQ	Easter Island
PBL	Preamble
PDH	Pesquera Davanzo e Hijos S.A.
PEI	Prince Edward Island
PELPER	Petroleos del Peru
PEM	Primitive equation model
PEMEX	Petroleos Mexicanos
PEP	Peak envelope power
PERTAMINA	Indonesian National Petroleum Company
PERUMTEL	Perusahaan Umum Telekomunikasi
PESROD	P.E.E.A. Pesquera Rodriguez S.C.R. Ltda.
PETRA	Jordan News Agency

PHILCOM	Philippine Global Communications Inc.
PHL	Philippines
PHX	Phoenix Islands
PIAB	Presse- und Informationsamt der Bundesregierung
PIL	P.E.E.A. Ilo S.R. Ltda.
PIX	Press photograph
PL	Prensa Latina
PLM	Palmyra Island
PLO	Palestine Liberation Organization
PLS	Please
PM	Pulse modulation
PN	Pakistan or Paraguayan or Peruvian or Portuguese Navy
PNG	Papua New Guinea
PNN	Prefectura Nacional Naval
PNR	Panama
POL	Poland
POR	Portugal
POS	Position
PRG	Paraguay
PROG	Prognosis
PRU	Peru
PSE	Please
PT	Part
PTC	Pitcairn Island
PTP	Point-to-point
PTR	Puerto Rico
PTT	Post, Telegraph and Telephone Administration
QAT	Qatar
QLD	Queensland
QPTC	Qatar Public Telecommunication Corporation
QUE	Quebec
R	Radio (coastal station)
R	Received
R	Russian (see chapter 6.2 in our RADIOTELETYPE CODE MANUAL)
(R)	Communications relating to safety and regularity of flight, primarily along national or international civil air routes.
RAAF	Royal Australian Air Force
RAF	Royal Air Force
RAFC	Regional Area Forecast Centre
RAN	Royal Australian Navy
RAR	Radio Associated Regulations
RCA	Radio Corporation of America Global Communications Inc.
RCAC	Radio Corporation of America Communications Inc.
RCC	Rescue Coordination Centre
RDARA	Regional and Domestic Air Route Area (see map 2)
RE	Concerning
REF	Reference to ... (OR Refer to ...)
REFPA	Refineria de Panama, S.A.
REG1	Region 1
REG2	Region 2
REG3	Region 3
REU	Reunion and Dependencies
REUTER	Reuters Ltd.
RF	Radio frequency
RFDS	Royal Flying Doctor Service
RFE	Radio Free Europe
RI	Rhode Island
RJ	Royal Jordanian
RMC	Regional Meteorological Centre
RN	Royal Navy
RNZN	Royal New Zealand Navy
ROD	Rodrigues

ROU	Romania
RPFR	Reperforator
RPM	Rotations per minute
RPT	Repeat (OR I repeat) (OR Repeat ...)
RQ	Indication of a request
RR	Radio Regulation
RRL	Radio Research Laboratories
RRW	Rwanda
RTT	Regie des Telegraphes et des Telephones
RTTY	Radioteletype
RU	Russia (W of 60° E)
RX	Receiver
RY	Test slip like "de 9xk 9xk 9xk ryryryryryryryryryryryryryryryryryryryryryryryryryryry"
RYI	Test slip like "de mua testing ryiryiryiryiryiryiryiryiryiryiryiryiryi"
S	South
S	Spanish
S	Sweden
SA	South Australia
SA/AAMC	Soviet Arctic/Antarctic Meteo Centre
SAAM	Soviet Antarctic Meteo
SABP	Service Algerien des Phares et Balises
SABS	Saudi Arabian Broadcasting Service
SAF	Soviet Air Force
SAM	South America MWARA
SAM	Soviet Arctic Meteo
SAN	South African Navy
SANA	Syrian Arab News Agency
SAR	Search and Rescue
SASK	Saskatchewan
SAT	South Atlantic MWARA
SC	Serbo-Croat
SC	South Carolina
SCN	Saint Kitts and Nevis
SCOT	Syrian Company for Oil Transport
SCOTC	Syrian Crude Oil Transportation Company
SD	South Dakota
SDN	Sudan
SE	Russia (Eastern Siberia 100° E - 140° E)
SEA	South East Asia MWARA
SEN	Senegal
SEY	Seychelles
SFC	Surface
SHELL	Shell Brunei Petroleum Company
SHF	Super high frequency
SHN	Saint Helena
SI-ARQ	SIEMENS simplex ARQ system according to WAVECOM (see advertisement at the end of this book, and chapter 11 in our RADIOTELETYPE CODE MANUAL)
SID	Sport-Informationsdienst
SI-FEC	SIEMENS simplex FEC system according to WAVECOM (see advertisement at the end of this book, and chapter 11 in our RADIOTELETYPE CODE MANUAL)
SIG	Signature
SIGWX	Significant weather
SITOR	Simplex teleprinting over radio according to CCIR 476-4 (see chapter 7 in our RADIOTELETYPE CODE MANUAL)
SITOR-A	Simplex teleprinting over radio according to CCIR 476-4, mode A (ARQ)
SITOR-B	Simplex teleprinting over radio according to CCIR 476-4, mode B (FEC)
SLECOM	Sierra Leone External Telecommunications Ltd.
SLK	Sri Lanka
SLM	Solomon Islands
SLT	Radiomaritime letter
SLV	El Salvador

SMA	Samoa (American)
SMO	Samoa (Western)
SMR	San Marino
SN	Soviet or Spanish or Swedish Navy
SNG	Singapore
SNIM	Societe Nationale Industrielle et Miniere
SOCATI	Societe Centrafricaine des Telecommunications Internationales
SOLTEL	Solomon Islands International Telecommunications Ltd.
SOM	Somalia
SOS	Distress signal (...---... TO BE SENT AS ONE SIGNAL)
SP	South Pacific MWARA
SP	Space
SP	Spurious emission of
SPA	Sarawak Port Authority
SPK	Sapordamean Phnom Penh Kampuchea
SPM	Saint-Pierre and Miquelon
SRI	Sorry
SRL	Sierra Leone
SS	Indicator preceding the name of a ship station
SSB	Single sideband
SST	Sukses Sumatera Timber PT
ST	Swedish Telecom
STE	Syrian Telecommunications Establishment
STIM	Societe des Telecommunications Internationales du Mali
STIT	Societe des Telecommunications Internationales du Tchad
STM	Syarikat Telekom Malaysia Berhad
STP	Sao Tome and Principe
SUI	Switzerland
SUNA	Sudan News Agency
SUR	Surinam
SVC	Prefix indicating a service telegram
SW	Russia (Western Siberia 60° E - 100° E)
SW	Shortwave
SWED-ARQ	Swedish diplomatic simplex ARQ system according to WAVECOM (see advertisement at the end of this book)
SWL	Shortwave listener
SWN	Swan Islands
SWZ	Swaziland
SYR	Syria
SYS	Refer to your service telegram
TA	Tadzhikistan
TAI	Taiwan
TANJUG	Telegrafska Agencija Nova Jugoslavija
TAP	Tunis Afrique Presse
TAS	Tasmania
TAS	Telecommunications Authority of Singapore
TASA	Telecomunicacoes Aeronauticas S.A.
TASS	Telegrafnoje Agentstwo Sowjetskogo Sojusa
TBL	Trouble
TC	Transradio Chilena
TCA	Turks and Caicos Islands
TCD	Chad
TCH	Czechoslovakia
TDM	Time division multiplex (in general)
TELAM	Telenoticiosa Americana
TELEMALTA	Malta Telecommunications Corporation
TELESENEGAL	Societe des Telecommunications Internationales du Senegal
TEXCOM	Telecomunicaciones Internacionales
TFC	Traffic
TGM	Telsiz Genel Müdürlügü
TGO	Togo
THA	Thailand

TIG	Telecommunications Internationales Gabonaises
TKL	Tokelau Islands
TMW	Tomorrow
TN	Tennessee
TN	Turkish Navy
TOC	Trinidad Oil Company
TON	Tonga
TR	Used by a land station to request the position and next port of call of a mobile station; used also as a prefix to the reply
TRC	Tristan da Cunha
TRD	Trinidad and Tobago
TRT	Tropical Radio Telegraph Corporation
TS	Time Signals and/or Standard Frequency Station
TTC	Tonga Telecommunication Commission
TTS	Telex and/or traffic to ships
TTT	This group when sent three times constitutes the safety signal
TTY	Teletype
TU	Thank you
TU	Turkmeniya
TUN	Tunisia
TUR	Turkey
TURBAN	T.C. Turizm Bankasi A.S.
TUV	Tuvalu
TV	Television
TWX	TWX Network
TX	Texas
TX	Transmitter
TXT	Text
TZA	Tanzania
UAE	United Arab Emirates
UGA	Uganda
UHF	Ultra high frequency
UK	Ukrainia
UKR	Ukrainia
UN	Uruguayan Navy
UNECA	United Nations Economic Commission for Africa
UNEP	United Nations Environment Programme
UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific
UNF	United Nations Forces
UNFICYP	United Nations Peace Force in Cyprus
UNID	Unidentified
UNIFIL	United Nations Interim Forces in Lebanon
UNIIMOG	United Nations Irak Iran Military Observation Group
UNO	United Nations Organization
UPI	United Press International
UR	Your
URG	Uruguay
URS	Union of Soviet Socialist Republics
USA	United States Army
USA	United States of America
USAF	United States Air Force
USB	Upper sideband
USCG	United States Coast Guard
USD	United States Dollar
USE	United States Embassy
USIA	United States Information Agency
USLRC	United States Liberia Radio Corporation
USN	United States Navy
UT	Universal Time
UT	Utah
UTC	Coordinated Universal Time
UZ	Uzbekistan

V	Vietnamese
VA	End of work (...-.- TO BE SENT AS ONE SIGNAL)
VA	Virginia
VAFI	Africa VOLMET Area
VCAR	Caribbean VOLMET Area
VCT	Saint Vincent and the Grenadines
VDC	Video display converter
VEN	Venezuela
VEUR	Europe VOLMET Area
VFT	Voice-frequency telegraphy (for example J7B) (see chapter 4 in our RADIOTELETYPE CODE MANUAL)
VIC	Victoria
VICMARSA	Victoria del Mar S.A.
VIR	Virgin Islands (United States)
VIS	Visual
VLF	Very low frequency
VM	Voice mirror
VMID	Middle East VOLMET Area
VN	Venezolan Navy
VNA	Viet Nam News Agency
VNAT	North Atlantic VOLMET Area
VNCA	North Central Asia VOLMET Area
VOA	Voice of America
VOLMET	Meteorological information for aircraft in flight
VPAC	Pacific VOLMET Area
VRG	Virgin Islands (British)
VSAM	South America VOLMET Area
VSEA	South East Asia VOLMET Area
VT	Validity time
VT	Vermont
VTN	Viet Nam
VUT	Vanuatu
VVV...VVV	Marking or test transmission
VWD	Vereinigte Wirtschaftsdienste
VY	Very
W	West
W I	World-Wide Allotment Area I (comprises RDARAs 1, 2 and 3)
W II	World-Wide Allotment Area II (comprises RDARAs 10, 11, 12A - 12D)
W III	World-Wide Allotment Area III (comprises RDARAs 6, 8, 9 and 14)
W IV	World-Wide Allotment Area IV (comprises RDARAs 12E to 12J and 13)
W V	World-Wide Allotment Area V (comprises RDARAs 4, 5 and 7)
WA	Washington
WA	West Australia
WA	Word after ...
WAA	With Armenian alphabet
WAK	Wake Island
WAL	Wallis and Futuna Islands
WB	Word before ...
WCA	With Cyrillic alphabet
WD	Word(s) OR Group(s)
WEFAX	Weather facsimile
WFA	With Farsi alphabet
WI	Wisconsin
WLA	With Latin alphabet
WMC	World Meteorological Centre
WMO	World Meteorological Organization
WPM	Words per minute
WTG	Waiting
WTSCA	With third-shift Cyrillic alphabet (see chapter 6.5 in our RADIOTELETYPE CODE MANUAL)
WUI	Western Union International Inc.
WUI CARIB	Western Union International Caribbean Inc.

WV	West Virginia
WWW	World Weather Watch
WX	Weather
WY	Wyoming
XINHUA	New China News Agency
XQ	Prefix used to indicate an operating communication in the fixed service
XXX	This group when sent three times constitutes the urgency signal
YEM	Yemen Arab Republic
YEMENTEL	Yemen Telecommunications Corporation
YES	Yes
YMS	Yemen (People´s Democratic Republic of)
YONHAP	Hapdong News Agency
YPF	Yacimientos Petroliferos Fiscales
YR	Year
YR	Your
YT	Yukon Territory
YUG	Yugoslavia
YZ	The words which follow are in plain language
Z	Coordinated Universal Time
ZAI	Zaire
ZMB	Zambia
ZWE	Zimbabwe
$	Schedule see chapter 11
5fgs	5-figure groups
5lgs	5-letter groups
73	Best wishes
(1189)	Month and year of last reception of unidentified stations
//	In parallel to

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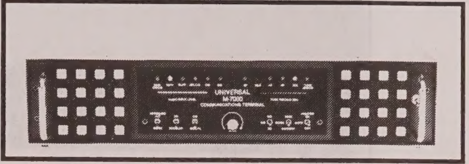

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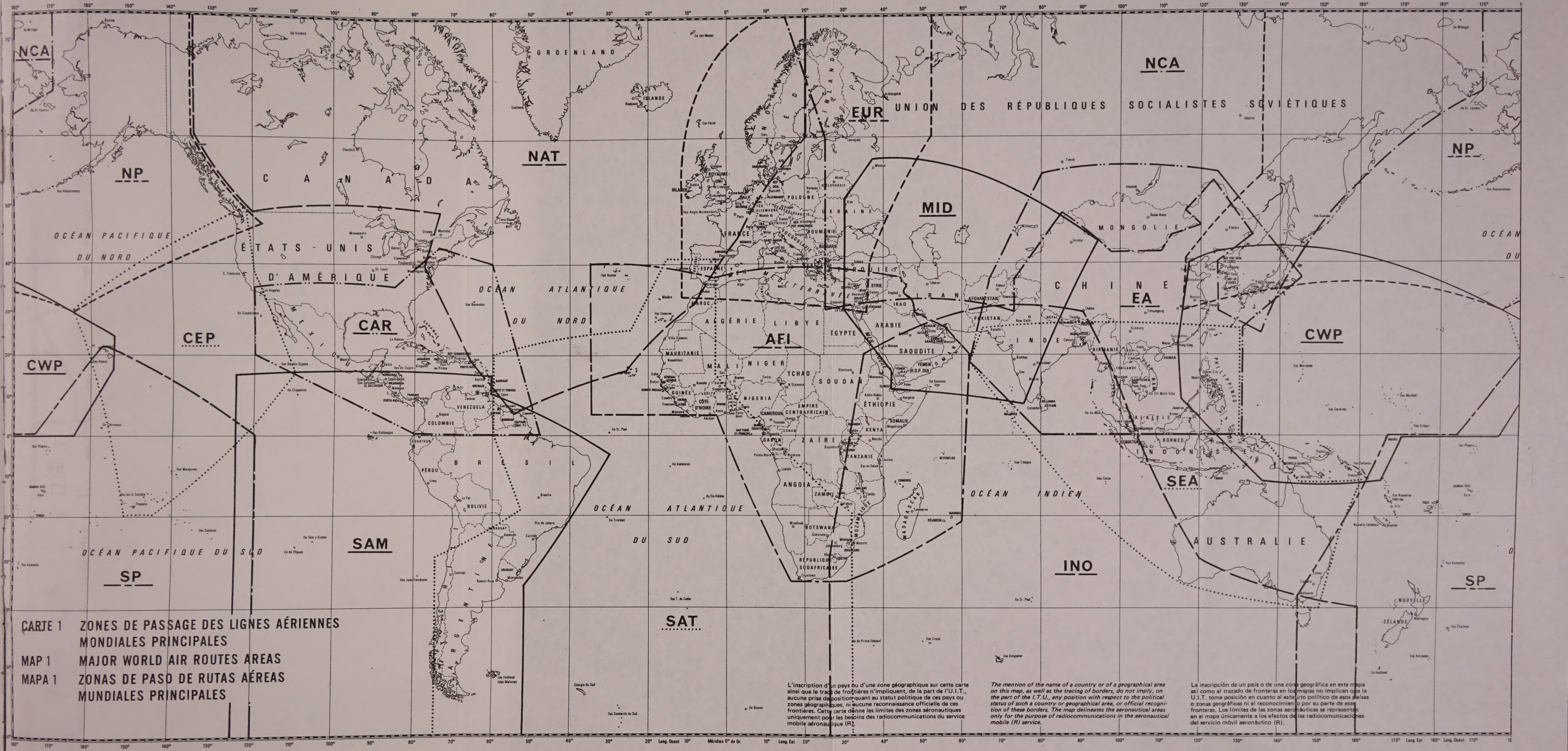
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ARABIE SAOUDITE
ÉGYPTE
LIBYE
ALGÉRIE
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IRAQ
YÉMEN
OMAN
BIRMANIE
THAÏLANDE
PHILIPPINES
MALAISIE
INDONÉSIE
BORNÉO
AUSTRALIE
NOUVELLE-ZÉLANDE
FINLANDE
SUÈDE
NORVÈGE
Long. Ouest
Méridien 0° de Gr.
Long. Est
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40°

CARTE 1 ZONES DE PASSAGE DES LIGNES AÉRIENNES MONDIALES PRINCIPALES

MAP 1 MAJOR WORLD AIR ROUTES AREAS

MAPA 1 ZONAS DE PASO DE RUTAS AÉREAS MUNDIALES PRINCIPALES

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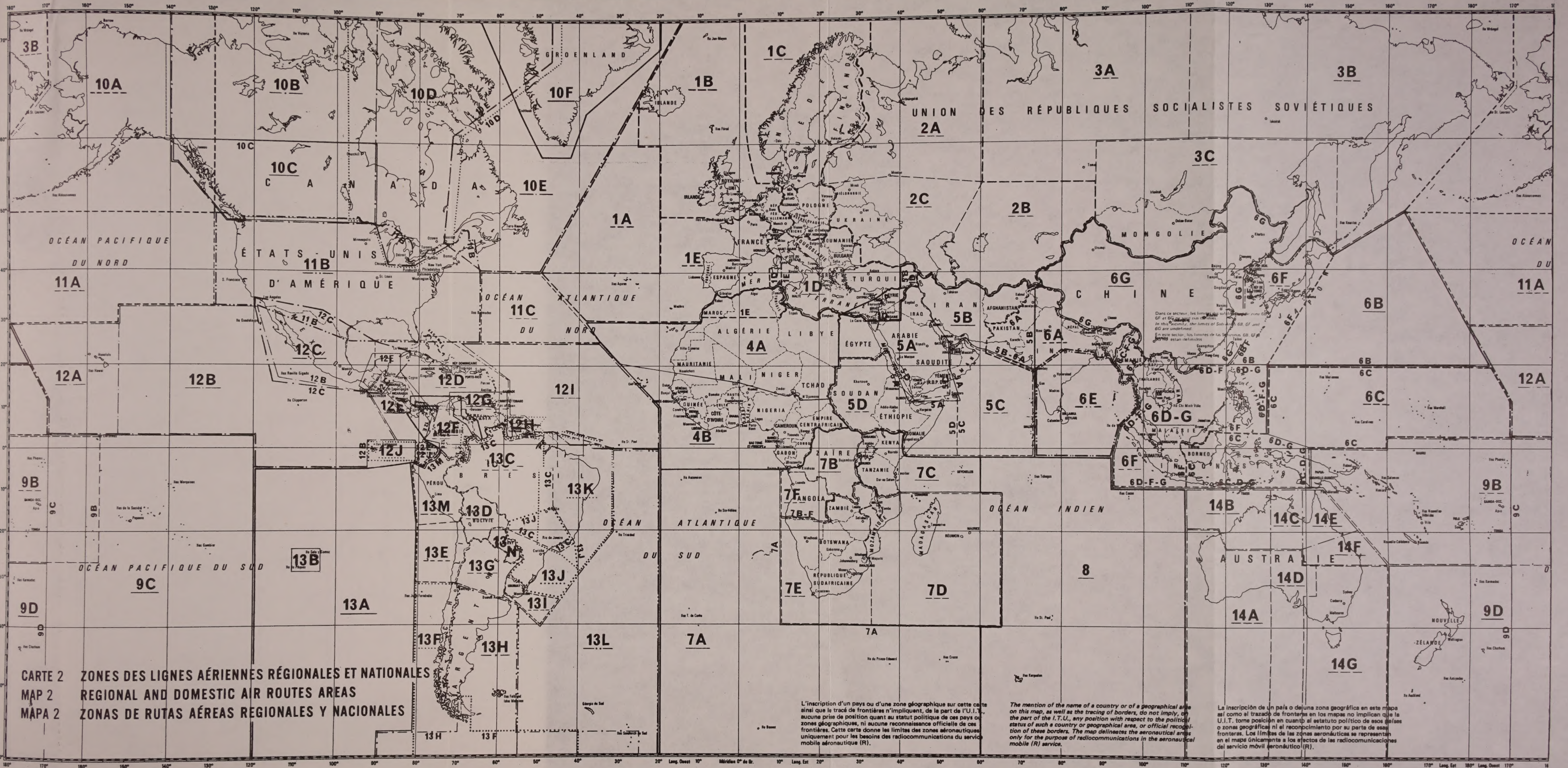
3B
10A
10B
10D
10F
GROENLAND
1C
1B
3A
3B
UNION DES RÉPUBLIQUES SOCIALISTES SOVIÉTIQUES
2A
10C
CANADA
10E
1A
2C
2B
3C
MONGOLIE
OCÉAN PACIFIQUE DU NORD
ÉTATS-UNIS D'AMÉRIQUE
11B
11A
1E
FRANCE
1D
TURQUIE
IRAN
5B
AFGHANISTAN
PAKISTAN
6A
6G
CHINE
6F
6B
OCÉAN DU NORD
OCÉAN ATLANTIQUE DU NORD
11C
MAROC
ALGÉRIE
LIBYE
4A
ÉGYPTE
ARABIE SAOUDITE
5A
12C
12A
12B
12D
12E
12G
12F
12H
12I
MAURITANIE
MALI
NIGER
TCHAD
SOUDAN
5D
ÉTHIOPIE
NIGERIA
4B
5C
6E
6D-G
6D-F
6C
6F
6B
12J
13C
13K
13M
13D
PÉROU
BRÉSIL
ZAÏRE
7B
TANZANIE
KENYA
7C
7F
ANGOLA
ZAMBIE
7B-F
BOTSWANA
RÉPUBLIQUE SUDAFRICAINE
7E
7D
7A
8
OCÉAN INDIEN
14B
14C
14E
14F
AUSTRALIE
14D
14A
14G
NOUVELLE-ZÉLANDE
9B
9C
9D
13B
13A
13E
13G
13N
13J
13I
13F
13H
13L
OCÉAN PACIFIQUE DU SUD
OCÉAN ATLANTIQUE DU SUD
MADAGASCAR
Dans ce secteur, les limites des sous-zones 6B, 6F et 6G ne sont pas définies.
In this sector, the limits of Sub-Areas 6B, 6F and 6G are undefined.
En este sector, los límites de las Subzonas 6B, 6F y 6G no están definidos.
Long. Ouest
Méridien 0° de Gr.
Long. Est

CARTE 2 ZONES DES LIGNES AÉRIENNES RÉGIONALES ET NATIONALES
MAP 2 REGIONAL AND DOMESTIC AIR ROUTES AREAS
MAPA 2 ZONAS DE RUTAS AÉREAS REGIONALES Y NACIONALES

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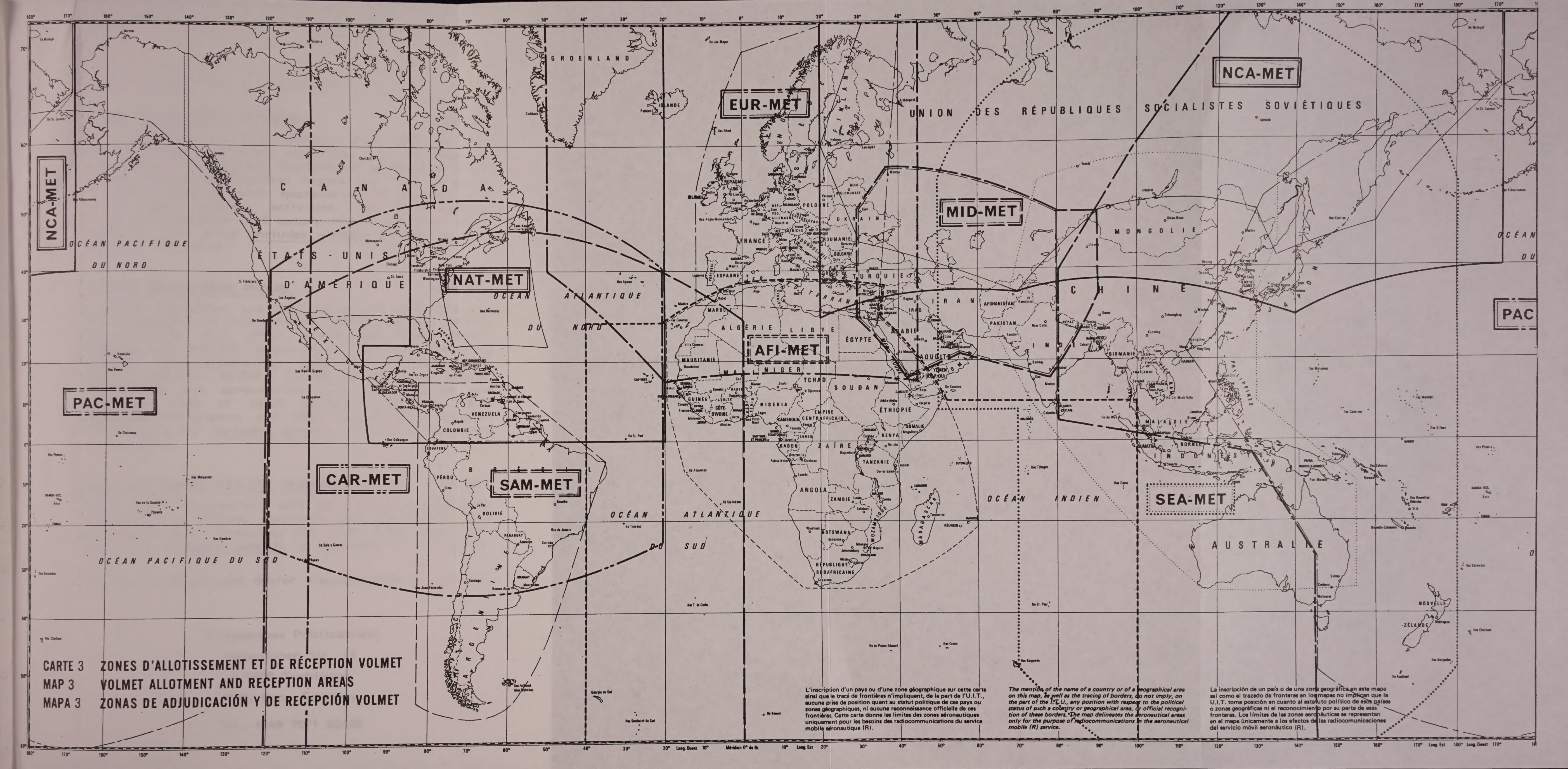
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FINLANDE
MALAISIE
INDONÉSIE
PHILIPPINES
AUSTRALIE
NOUVELLE-ZÉLANDE
Méridien 0° de Gr.
Long. Ouest
Long. Est

CARTE 3 ZONES D'ALLOTISSEMENT ET DE RÉCEPTION VOLMET
MAP 3 VOLMET ALLOTMENT AND RECEPTION AREAS
MAPA 3 ZONAS DE ADJUDICACIÓN Y DE RECEPCIÓN VOLMET

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